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**DRUG & CHEMICAL MARKETS**

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIV

NEW YORK, MARCH 26, 1924

NUMBER 1824

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MONSANTO: Specializing in fine and medicinal chemicals

**In This Issue** { *Why is a Chemical Distributor?*  
*French Market Short of Chemicals*

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# DRUG & CHEMICAL MARKETS

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## The Week in Brief

### News

French market short of chemicals needed in the tanning, glass, glue, and paint industries. French exports heavy owing to low prices due to favorable exchange rates.

American Protective Tariff League opens campaign for tariff on potash to develop the American industry.

Imports in 1923 of raw materials controlled by foreign monopolies such as nitrate, iodine, quinine, quebracho, quicksilver, rubber, tin, and potash, were valued at \$525,000,000.

Charges that nitrate interests are behind the opposition to the Henry Ford bid for Muscle Shoals have been made by Representative F. J. Garrett of Tennessee.

### Markets

Chemical prices steady during week of little activity. Imported chemicals have firm tone owing to smaller supplies on spot and delayed shipments. Caustic potash an exception with shading in some quarters.

Toluene and solvent naphtha are in small supply and prices have a strong tone. Benzol demand is less but producers are well sold ahead. Phenol is unchanged from previous week. Intermediates and coal-tar dyes are quiet. Pyridine advanced sharply.

Oils continue quiet with buying in small proportions only. Sellers report better inquiry for the week, but are uncertain regarding indications for future business. Linseed oil easy with reported shading of prices. Fish oils in better demand.

Essential oils are in small demand at the moment, probably due to general high prices both for shipment and on spot.

Fine chemicals are in routine demand only. The recent advance in mercury does not appear to have excited buyers. Citric acid is active and firm.

Crude drugs are under pressure and still further reductions of spot prices are possible. Contract business is practically at a standstill.

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40 Rector Street



New York, N. Y.

# DRUG & CHEMICAL MARKETS

VOLUME XIV

NEW YORK, MARCH 26, 1924

NUMBER 13

## WILL FIGHT FOREIGN MONOPOLIES

When the hydra-headed monster popularly known as "monopoly" shows itself within the boundaries of the United States every politician gets out his axe and the poor thing quickly loses several of its heads, but the same beast lives in other parts of the World, feeds upon the American public and nothing is done to protect the consumer from its ravages. In the Dutch East Indies it is known as the Quinine monopoly; in Spain as the Mercury monopoly; in Argentina as the Quebracho monopoly; and in Chile as the Nitrate monopoly and Iodine monopoly. The British have a Rubber and a Tin monopoly, and the Germans a Potash monopoly.

Cinchona bark, quebracho, india rubber, gutta-percha, potash in the form of crude salts, muriate, chloride, sulfate, kainite, are admitted to the United States free of duty, but quicksilver is assessed 25 cents a pound as a protection to the industry in this country. Nitrate of soda is free because it is essential in making explosives and fertilizer. Iodine is free because very little is made in the United States, and the bulk of the imported material comes from Chile by courtesy of a British Syndicate which controls the production in order to keep prices up, and during the World War, when the demand for hospital use was unprecedented, refused to make any concessions for humanity's sake. The use of iodine in medicine is a necessity and it is placed on the Free List to make it possible to obtain it in spite of the Syndicate that controls the output.

Government legislation to break these monopolies in imported raw materials essential to American industries is recommended by Secretary Hoover. A bill has been prepared by Senator Arthur Capper of Kansas and some action is expected at the present session of Congress. It has been suggested that consumers of these products be allowed to form purchasing agencies to deal with the monopolies on lines more beneficial to Americans. Undoubtedly pressure could be brought to bear upon the owners of these concessions in foreign countries and prices reduced. The imports of nitrate, iodine, potash, quinine, rubber, quicksilver, quebracho and tin in 1923 were valued at more than \$525,000,000. The public probably paid the foreign monopolists at least \$125,000,000 more than a fair price for these materials. America is their best market and they cannot afford to lose it. By fostering rival industries the United States could bring them to terms in a few years, just as the rubber consumers

are doing by making a world-wide search in order to develop a crude rubber supply for the automobile trade. If each industry will follow the example set by the rubber manufacturers, a willingness to reduce prices will be noticeable in a very short time.

## AGITATING FOR POTASH TARIFF

Under the heading "Strangle Hold of German Potash Trust" an editorial writer in the "American Economist," published by the American Protective Tariff League begins the fight of the League for protection for the American potash industry. An article in the same issue describes in four pages the dependence of the United States upon Germany and the situation in this country when the war began. A mistake, a very grave mistake was made by the Agricultural Bloc in Congress, by the farmers themselves and by agricultural papers of the country, says the editorial, in opposing the placing of potash on the dutiable list.

The campaign is timed apparently to meet conditions in the United States, with Congress favorable to Henry Ford's bid for Muscle Shoals, the efforts of the German Kali Syndicate to advance prices making future costs of fertilizer uncertain, and the financial problems of the big fertilizer companies indicating that credits to farmers will be curtailed hereafter. The "Economist" admits that "when a new industry is developed under tariff protection the first cost is usually higher, but eventually increased production, improved methods and domestic competition result in lower prices than formerly."

Depreciation of the mark, abnormal exchange, the disparity in the cost of labor in Germany compared with labor costs in the United States enable the Potash Importing Corporation of America to offer muriate, sulfate, manure salt and kainite at very low prices, but these conditions cannot last. When Germany begins to recover there will be a readjustment of wages in a more stable currency than the mark and as wages go up the Syndicate will advance prices. When their expenses more nearly equal American production costs American companies can compete, but few of the plants established during the war would start again unless guaranteed protection for a reasonable period. One company still producing potash is enabled to do so because it recovers borax as a by-product which sells at two to three times the price of potash.

Congress seems to have overlooked the fact that most of the technical potash salts which are on the dutiable list are made from the muriate which is admitted free, following the precedent made in the McKinley tariff of 1890, the Dingley tariff of 1897 and the Payne tariff of 1909. The campaign for

a tariff on muriate, sulfate, manure salt and kainite is to be carried to the home of the farmer in an effort to post the ultimate fertilizer consumer on the uses to which these products can be put, and the fact that the American Protective Tariff League sends its news service to more than 6,000 country papers gives the movement a fairly good start. The increased value which a home potash industry can give to the soil is emphasized and the saving in expense to the farmer who mixes his own fertilizer is pointed out, one statement being to the effect that the State of Connecticut alone saved over \$1,000,000 to the farmers who did their own mixing. Other states, says the article, could effect larger savings than Connecticut. The question is whether the farmer can be educated to the view that a tariff is as much to his benefit on an article that he buys, as a tariff on products that he sells. Evidently the fertilizer business is not on the rosy path to prosperity, yet.

#### TWO SIDES TO VANILLA

In response to criticisms which have been levelled at vanilla bean producers and distributors by many of the big extract manufacturers throughout the country, containing accusations of profiteering and market manipulation, countercharges against the vanilla consumers have been made. The present high prices for beans have been caused primarily by the actions of the big consumers during the past three or four years; by their concerted pressure on prices, they are primarily responsible for the present stringency. This is the sum and substance of the defense offered against charges by the extract makers that bean prices are abnormally high as a result of profiteering.

When Bourbon beans were selling at \$1.50 a number of moons ago, one of the biggest extract makers in the country is reported to have purposely withheld buying, and to have urged others to do the same, in order to force the price down to \$1.25, twenty cents under actual cost to importers here, which price they are alleged to have declared would be their top buying price. Before buyers could cover, the price jumped to \$2.50. This case has been put forward by one factor to illustrate the attitude of the big buyers of beans, one of ruthlessness in forcing down prices at the expense of all groups in vanilla production and distribution. The present high price for Bourbon beans, obviously engineered from Marseilles, it is maintained, is nothing more than a sharp retaliation for the alleged actions of American extract producers, combined with a normal market rebound from abnormally low levels.

This same situation is as old as the hills. In thousands of products on thousands of occasions, buyers have beat down prices when they could, and sellers have held them at high levels when they could. The supply-demand and buyer-seller arguments will never be settled permanently. In the case of vanilla beans, however, the high prices of to-day, whether justified or not, will do more harm than good to the bean industry. Consumption is being cut down and beans replaced with synthetics.

Some of this business will be lost permanently. The longer prices stay up, the more fixed will become smaller bean usage. To make buyers pay for their past sins may or may not be justified, but is it good business?

One of our contemporaries has published the following "Contrary to popular opinion, the salt itself (i.e., NaCl), is not deliquescent and will not absorb moisture from the air. The compound frequently met with in salt that possesses this undesirable attribute is the magnesium chloride (which is almost universally present), and to counteract the tendency to harden many salt makers add calcium phosphate to the finer grades of table salt. This, by combining with the magnesium chloride, forms calcium chloride, which does not deliquesce." Far be it from DRUG & CHEMICAL MARKETS to oppose authoritative technical opinion, but we always thought that the water-absorbing power of calcium chloride was responsible for most of its commercial uses.

Production of crude menhaden oil in 1923 was the largest in the history of the industry, the total output being 147,570 barrels. Last year when the fishing season was at its height, reports of a short catch of fish were as numerous as bees on a honeysuckle vine. Fish oil was "scarce" and "of poor quality": "storms prevented fishing"; "catches have been small." Yet reports of the season's production show figures exceeding those of any other year.

The Czechoslovakian parliament is one lap ahead of the American Congress. Someone with a fine discernment hurled a can of benzine at the Premier during discussion of an alleged oil monopoly. Much better taste than to throw mud, and more effective as a cleanser.

#### Many Men: Many Minds

Edward J. Cornish, president of National Lead Co., says: "Ordinary prudence requires preparation for business depression while conditions are prosperous to thus avoid fear, which frequently causes panic and results in hasty and ill-considered action when courage and poise are most needed. The management will take counsel of its experience, instead of present exceptionally prosperous conditions. Prices of tan bark and other materials and supplies are exceptionally high. There has been no reduction in costs, administrative and selling expenses or taxes."

A Western mining company, when making its return to the Commissioner of Internal Revenue, wrote as follows: "In making up these reports we have employed two bookkeepers day and night, and have worn out two Underwood typewriters, a Remington billing machine, and have spoiled the disposition of our Burrough's adding machine. We have also had the advice and sympathy of numerous business associates, friends and relatives, and last but not least, the head of the leading board of auditors in this city."

The franc refused to meet the ruble and the mark on the same level notwithstanding that it is the symbol of liberty, equality and fraternity.—Wall Street Journal.

## Why Is the Local Distributor?



Photo by Bachrach

**I**S THE local chemical jobber a help or a hindrance in the distribution of industrial chemicals?

It seems a funny question to us; but I know it is being considered seriously by both producers and consumers. It is a new question—arising out of trade conditions since the war—but it must be answered correctly and quickly.

What the answer means quite as much to the chemical makers and the chemical buyers as it does to the chemical jobbers themselves. For it involves fundamentally the entire economic scheme for merchandising chemical products and only a blind idiot thinks that our ideas about how chemicals should be sold have not changed since 1914.

Before we decide what place the local distributor has in the chemical trade, let us find out why he exists at all. That involves going back a few years in trade history, and if this is "bunk" let Henry Ford, who makes automobile trade history on his own account, make the most of it.

### A Product of Pre-War Days

The chemical trade here in the United States dates back to a time before we had much of a chemical industry, and when most of our supplies came from overseas. Such houses as Wing & Evans and Edward Hills' Sons in New York; E. & F. King and Linder & Meyer in Boston; Ellis Jackson and Fergusson Bros. in Philadelphia, and others began business as importers of industrial raw materials. They developed a selling service and direct connections with chemical manufacturers. As the American chemical industry grew, their selling service was used by American makers who found it cheaper and more practical to use their men, their experience, their close contacts with buyers than to attempt direct selling. Our chemical industry has grown apace. Some big manufacturers, doing a nation-wide business in carlot quantities on contract, have developed their own sales forces. Other big manufacturers making many different chemicals have so enlarged their prospect lists of customers that they too, have built up their own staffs of salesmen calling on the consuming trades.

That is the present situation. What will be the line of future development? Here are some plain facts that none of us—makers, distributors, or buyers—can afford to pass lightly by.

Although direct dealing between maker and big consumer has increased largely; nevertheless, the greater part of our chemical tonnage, excepting alkalis and heavy acids, is sold in less than carload lots. Most of

*Philadelphia enjoys as keen competition for local chemical orders as any city in the land, and in Philadelphia there are no more aggressive and progressive distributors than the Geo. S. Coyne Chemical Company. The active head of this old house is James K. Coyne, who tells bluntly some honest facts about the less than carload chemical business in the following interview.—The Editors.*

this business is handled by local distributors. This is the cheapest and best way to handle such sales.

Most chemical buyers use many chemicals in small lots. They cannot wisely take in a big supply to cover their needs over a long period. Storage space and interest on the money tied up prevent this. They usually demand—and must have—prompt delivery. Generally their orders are for mixed supplies; goods made by several different chemical manufacturers. A local distributor, maintaining spot stocks in his own warehouse, with a trucking service, is the best and cheapest means of supplying this demand.

Here we have the perfectly sound economic answer to the question, "Why is a chemical jobber?" Why then, do we hear so much about the unsatisfactory state of less-than-carload business? Why so much adverse criticism of the local distributor?

### Too Many Chemical Jobbers

First, there are too many local chemical jobbers. The war brought a lot of new people into every branch of the chemical trade; most of them with no chemical experience; many without any financial standing. The chemical consumption of any territory, however, is fixed. No amount of sales effort will increase the gross pound sales. The result is over-competition, which causes price cutting, slack credit terms, and similar abuses, for which the honest, experienced distributor is blamed. But most of the blame should go to manufacturers who help keep the scarecrow distributors in business. The manufacturer has a decent obligation to the reputable jobber. He fails in it, if he appoints more than one distributor in a territory or if he uses the shady dealer as a backdoor.

Second, the local jobber must remember that he is first and last the representative of the chemical manufacturer. He must always protect his principal's interest. He must not unduly favor the buyer. He must render a real selling service by honestly pushing the branded goods of the makers he represents, doing all in his power to establish those brands favorably in the minds of his trade.

### Makers Must Protect Distributors

We need to re-establish and emphasize the sales agency feature of jobbing. Manufacturers should be more careful of the interests of their distributors. They should regard them in the frank and friendly spirit of a salesman of the house. It is unfair to consider us as truckmen, or as bill collectors, or as chemical bucketshops. Hold up our hands so we can hold up our heads, for we know our local trade better than the maker at

a distance ever can and we do render real service to both parties. Make the open-price schedule, which is a splendid move in the right direction which DRUG & CHEMICAL MARKETS and the alkali makers deserve great credit for starting, a real thing and extend its use to other chemicals. Cut off ruthlessly from all supplies distributors who do not play the business game squarely.

#### The Problem of Two Masters

Distributors must remember that no man can serve two masters. We are the local salesman of the chemical maker, not the purchasing agent of the chemical user. "Sell on quality and service: not on price" should be the motto. Know the local trade and help the buyer with technical and market advice, just as the manufacturers do their contract customers. Keep in constant touch with buyers and keep everlastingly on the trail of business; but, learn to refuse the order that can only be filled at a loss. The way to sell at fair prices is to impress the buyers with the high quality of the chemical brands we handle and to establish our name as headquarters for prompt and efficient selling service of the goods we stock.

#### Distributors Vitally Necessary

It is plain as a pikestaff to me that the local distributor has a real place to fill as the selling agent of branded chemicals, at known prices, from reputable manufacturers who will uphold him as their recognized local representative, rendering real and expert service in his field. Until we get back on this basis there will be trouble for both manufacturer and consumer. If we do not get back to this foundation, manufacturers will have to assume the expensive, complicated, unsatisfactory duty of selling single kegs out of local stocks, and the consumer will have to pay more to cover the increased cost of distributing his chemical supplies.

#### HAVE DEALT IN CHEMICALS 100 YEARS

Representatives of eighty industrial and commercial houses in Philadelphia, which have been in business for 100 years, will be guests of the Philadelphia Chamber of Commerce, at a banquet on April 9. Among the companies and firms invited are Powers-Weightman-Rosengarten Co.; Charles Lennig & Co.; Horrocks & Bros. Dye Works; George B. Feidt, drugs and chemicals; William Barnet & Sons, starch; Adam Pfrohm & Co., wholesale drugs; C. Shrack & Co., varnishes and colors; George D. Wetherill & Co., white lead; Charles Eneu Johnson & Co., inks; Harrison Brothers & Co., white lead; W. H. and F. Jordan, Jr., chemicals and oils; John T. Lewis Co., white lead; Wetherill & Bro., white lead.

The contention that the 193 plaintiffs in the suit against the banking firm of Kissel, Kinnicutt & Co., Edward T. Bedford, President of the Corn Products Refining Co., and others to recover sums aggregating more than \$1,000,000 were resorting to mob psychology in joining their claims instead of suing separately was not taken seriously in the Appellate Division of the Supreme Court, which upheld the joint complaint, in which sums are demanded ranging from a few hundred dollars to \$9,000. The plaintiffs, who are scattered over ten States and Canada, bought stock in the Temtor Corn Products Company, an Illinois corporation, and seek to recover their investments on the ground that the stock is of little value.

Professors W. V. Cruess and E. L. Overholster, of the University of California, Berkeley, have been making an investigation of why fumes from burning sulfur prevent fruit from darkening during the drying process and have arrived at some conclusions along new lines.

#### Business Brevities

Charles Dunker, Dunker & Perkins, Boston dyestuff and chemical house, is in the West Indies on a short vacation.

E. R. Smead, president, E. R. Smead Co., Cleveland, is a visitor at the New York office of his company en route to a vacation in the South.

Dr. Maximilian Toch, of New York, was a recent visitor at San Francisco on his way to the Orient, where he will deliver a series of lectures on chemistry.

Francis P. Garvan has sold his residence at 900 Fifth ave., northeast corner of Seventy-first st., regarded as one of the finest on the avenue and appraised recently at \$600,000.

B. J. Goggarty, who has been connected with the sales staff of J. L. Hopkins & Co., New York crude drug millers, covering Metropolitan territory, has severed his connection with the company.

The rate of 25c per 100 pounds, charged the Texas Gulf Sulphur Co. by the Central Railroad of New Jersey on shipments of crude sulfur, was held to be unreasonable, in a decision by the Interstate Commerce Commission.

Elias A. Johnson, Monsanto Chemical Works; Walter J. Murphy, Charles H. Berle, and Leonard L. Lehritter, the latter three of the American Cyanamid Co., were elected members of the Salesmen's Association of the American Chemical Industry at a meeting of the Executive Committee on March 13.

R. A. Eagles, of J. M. Huber, New York, manufacturer of air floated carbon black, is on a trip through the South. He will endeavor to obtain first hand information on legislation in regard to curtailment of carbon black production, which is now before the Louisiana State Legislature.

A process has been found which will render inflammable materials non-combustible, according to a report from the Los Angeles Chamber of Commerce issued by John D. Maxfield. The process was discovered by General Fernando Somoza Vivas, who is contemplating the organization of an \$8,000,000 corporation to further develop and promote the process.

E. H. Killheffer, vice-president of Newport Chemical Works, and B. R. Clarke, vice-president of Tubize Artificial Silk Co. will speak at the annual convention of the National Association of Hosiery and Underwear Manufacturers at the Bellevue-Stratford Hotel, Philadelphia, April 9 and 10. Dr. Killheffer will discuss the dyeing and bleaching of hosiery and underwear.

Whitelaw Brothers Chemical Co., of St. Louis and Kansas City, now represent McIlvaine Brothers, of Philadelphia, crude drug importers and millers. The territory includes, in addition to St. Louis and Kansas City, Southern Illinois, Western Kentucky, Memphis, Arkansas and Shreveport, La. The company carries stock in Kansas City to better serve their customers in that territory.

A number of leading copper companies are preparing a draft of an amendment to the tariff act imposing a duty on copper imports which will be submitted to Congress at an early date. Gordon R. Campbell, president of Calumet and Arizona Mining Co., a leader in the movement, says that a duty of 5c per pound should be imposed as a protection to American producers against destructive foreign competition and that a duty of 7c or even 10c would not be excessive.

## Trades Fight Cramton Alcohol Bill

**Oppose Plan to Give Prohibition Unit Control of Industrial Alcohol—Leading Drug and Chemical Interests Testify Against Bill Before Judiciary Committee—Manufacturers Declare Prohibition Officials Would Restrict Alcohol Needed for Legitimate Business—Manufacturers State They Would Rather Deal With Internal Revenue Bureau Which Understands the Problems of Industrial Alcohol Production and Consumption—Third Hearing on Mar. 27**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Mar. 26.—More than a dozen witnesses appeared before the Judiciary Committee of the House on Friday in opposition to the Cramton bill "to provide for a Bureau of Prohibition in the Treasury Department." Among the witnesses were: Charles L. Reese, chemical director of duPont Co.; Martin H. Ittner, chief chemist of Colgate & Co.; H. S. Chatfield, representing the National Paint, Oil & Varnish Association; M. C. Whitaker of United States Industrial Chemical Co.; Eugene C. Brokmeyer, of the National Association of Retail Druggists; W. J. Schieffelin, National Wholesale Druggists Association; W. W. Gibson, Gibson-Snow Co., Albany, N. Y.; A. M. Spiehler, American Manufacturers of Toilet Articles; J. A. Handy of Larkin Co.; C. M. Kline, of Smith, Kline & French; N. M. Clark, Pyroxylin Plastic Manufacturers Association; D. J. Hulster, Muhlens & Kropff, New York City; H. B. Thompson, Proprietary Association; and P. S. Rigney, Synthetic Organic Chemical Manufacturers Association.

The gist of the testimony throughout Friday's hearings was that the manufacturers welcome regulation, but they want to deal with officials of the Bureau of Internal Revenue who have handled alcohol matters for years and know the subject rather than with officials of the Prohibition Unit, as provided for by the bill, because they are inexperienced and out of sympathy with the manufacturers.

J. M. Doran, chief of the Industrial Alcohol and Chemical Division of the Bureau of Internal Revenue, favored the bill. He told the committee that the bill would help the field enforcement work and in that way should make it easier and better for the manufacturers who use industrial alcohol.

Dr. Ittner on behalf of the American Chemical Society and Colgate & Co. told the committee that he is opposed to placing the industrial alcohol supervision in the hands of the Prohibition Director because of the years of experience which have accrued to officials of the Bureau of Internal Revenue who have been dealing with the subject. He said that the chemical society had gone on record as favoring an industrial alcohol commissioner to have charge of that work.

Dr. Whitaker representing U. S. Industrial Alcohol Co. and the Manufacturing Chemists Association, stated that his firm is the largest producer of industrial alcohol in the world. Alcohol, he said, is as essential to the chemical industry as coke is to the steel industry. He said that the prohibition people do not know a still from an extract plant.

Dr. Reese said that the chemical engineers of the country are opposed to the bill.

Mr. Chatfield told the committee that if the government did not give the American manufacturers enough industrial alcohol the market would be flooded with German alcohol.

Dr. W. J. Schieffelin, Schieffelin & Co., New York, opposed the bill on behalf of the National Wholesale

Druggists Association. He criticized the prohibition unit for unduly interfering with legitimate alcohol business, and claimed that restrictions, no matter how drastic, could not eliminate all illegitimate uses. An individual protest was filed by John I. Tierney for the Powers-Weightman-Rosengarten Co.

Representing the members of the Synthetic Organic Chemical Manufacturers' Association as "the largest consumers of industrial alcohol in the United States," P. S. Rigney, filed a strong protest. He stated that alcohol was just as necessary to the chemical industry as the protection afforded its products by tariff duties. A brief was filed by W. L. Crounse, Washington representative for the N.W.D.A., and the American Manufacturers of Toilet Articles, protesting against the bill. J. A. Handy, Larkin Co., Buffalo, N. Y., stated that "the prohibition commissioner knows nothing about industrial alcohol, and has all he can do to take care of his present policing duties."

Further hearings on the Cramton Bill will be held by the Judiciary Committee of the House on Mar. 27 in order to hear from the Flavoring Extract Manufacturers' Association, Pyroxylin Plastic Manufacturers Association, the Proprietary Association, and others.

### WILL FIGHT NEW CAUSTIC ACID BILL

The Insecticide and Disinfectant Manufacturers Association has notified its members that Virginia House Bill No. 40, calling for a poison label on products containing caustic acids, has been defeated. The same bill has been introduced in Maryland and other states at the request of the American Medical Association. Last week, as reported in DRUG & CHEMICAL MARKETS Congressman William W. Griest, Lancaster, Pa., introduced a similar bill in the House. The association is sending the following notice to members concerning the Griest bill:

"In the Congress of the United States, Mr. Griest has introduced House Bill 7822, a bill for a law to be known as "Federal Caustic Alkali or Acid Act, 1924." This bill has been referred to the Committee on Interstate and Foreign Commerce. Briefly, Congressman Griest's bill defines a number of acids and alkalies as dangerous and stipulates that the sale of these acids or alkalies or preparations containing them in a more or less concentrated form shall be labelled conspicuously as being poisonous.

"Among the acids classed as dangerous is carbolic, otherwise known as phenol, and if this acid is present in a concentration of 5 per cent or more, the goods containing it will have to be labelled poisonous. Some authorities who have been consulted, are inclined to believe that the state legislatures and possibly Congress may yet define cresylic acid in a concentration of 5 per cent or more to come under the heading of those acids which require the poison label. This would undoubtedly affect every manufacturer and distributor of coal-tar disinfectant and dipping fluids. If you are opposed to this act, it is far better to register your protest now than to try to change it should it become law. We are informed that these caustic bills are being introduced at the instigation of the American Medical Association."

The T. T. K. liner Shinyo Maru, which sailed from San Francisco for the Orient on March 13, took out as a part of her cargo 3,500 sacks sulfate of ammonia, 3,500 of acetate of lime, 6,200 of malt and 1,200 of salt.

[MARCH 26, 1924]

### BILL TO CHECK FOREIGN CHEMICAL MONOPOLIES IS STRONGLY OPPOSED

Senator Capper Gets Protest From Untermyer Who Wants Domestic Trusts Prosecuted First—Secretary of Commerce Hoover Names Foreign Products Valued at \$525,000,000 on Which American Manufacturers Annually Pay High Tribute

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 26.—The bill introduced by Senator Capper of Kansas, amending the Webb-Pomerene Act, to allow consumers to combine for purchasing raw materials abroad in order to obtain better terms from the monopolies controlling nitrates, iodine, potash, quinine, quebracho, camphor and other crude products necessary to American industries, has received the support of Secretary of Commerce Hoover, but has been attacked by Samuel Untermyer, New York attorney, who wants the monopolies in the United States dealt with before any attempt is made to control foreign trusts. Mr. Untermyer does not disclose the name of his client for whom he has taken up the legal cudgels, but seeks to divert attention from the purpose of the bill by arraigning so-called American trusts. He says:

"The manufacturers of binding twine, the tanners and perhaps, in all, 50 per cent of the foreign producers to whom Mr. Hoover refers, are violators of our anti-trust laws. A number of them belong to such organizations as the so-called 'Eddy Open-Price Associations' which Secretary Hoover insisted on publicly defending and encouraging against my persistent public protests at the time I was conducting the Lockwood investigation and until the United States Supreme Court declared them to be criminal conspiracies."

Secretary Hoover says in a letter to Senator Capper: "Nitrates and iodine are controlled through a British selling agency and reinforced by export duties in Chile. Potash is controlled by combinations of German producers. Quinine is controlled by combination of Dutch producers. Crude rubber and gutta percha are controlled by partly legislative and partly voluntary combination of producers in the British and Dutch colonies. Mercury is controlled by common selling agency of Spain and Austrian mines. Quebracho (for tanning purposes) is controlled by combination of producers and foreign manufacturers. Tin is controlled by combination of British producers."

Secretary Hoover continues: "The value of our total imports of the above in 1923 exceeded \$525,000,000 and prices are undoubtedly much higher than would otherwise be the case. It is our conclusion that some relief can be reached legislatively. Our exporters and manufacturers are permitted by the Webb-Pomerene Act to undertake joint selling agencies abroad under certain restrictions. If by an extension of this Act our consumers were allowed to set up common purchasing agencies for these imported raw materials where there is positive combination in control, I am confident that our people could hold their own in their dealings with such combinations."

In reply to Mr. Untermyer's attack, Secretary Hoover said: "Mr. Untermyer knows, or should know, that his statement is absolutely false when he says I ever supported the so-called open price associations. I informed him specifically and personally two years ago that he should not repeat this misstatement, for it was false, and that I was vigorously opposed to this practice or any other form of price control."

Secretary Hoover's reference to rubber as a British monopoly is challenged by the "London Times," which says: "It is true that the production in the British

colonies is restricted by legislative enactment, but the price is not. In fact, the price is rather lower than it was when compulsory restriction by legislation came into force over a year ago, while the decrease in the British production was more than made good by the increase in the Dutch."

### Trade Notes and Personals

Arthur C. Trask Co., Chicago, is now sales agent in the Middle-West for Frank L. Young Co., Boston, in the sale of fish oils.

L. H. Butcher Co., Inc., New York, have appointed as resident agents, Frank Hancock, Chicago district, and C. F. Heilman, Detroit district.

Krieger Color & Chemical Co., Los Angeles, Cal., handlers of colors, glues, shellacs, have moved to larger quarters at 611 East 9th st., Los Angeles.

Excelsior Chemical Co., manufacturers of floor and furniture polish, shoe polish and metal dye, has established a plant at 426 Bryant st., San Francisco.

E. I. duPont de Nemours & Co., Wilmington, Del., have recently issued their annual Pyralin toileware catalog, featuring new patterns in ivory, amber, and shell colors.

Henry H. Morse, formerly chief of the Specialties Division of the Bureau of Foreign and Domestic Commerce, has been appointed chief of the Division to succeed Irving S. Paull, resigned.

H. J. Boon, formerly European representative of the Superfos Co., New York, and T. H. Ellis, formerly of Hopkins, Ellis & Co., Ltd., are now directing the affairs of the Chemical and Potash Co., Ltd., 24 Eastcheap, London, E.C.3.

United States Hydrocarbon Gas Co. will build a chemical plant near Seattle, Wash., for the manufacture of hydrocarbon welding gas and other by-products from crude oil and coal. Construction will be completed within eighteen months.

Carloadings for the week ending March 8 were greater than any other corresponding week in the history of the railroads, amounting to 929,505. Although this figure marks a decrease from last week's totals, it exceeded by 24,161 cars, the total for the corresponding week in 1923.

L. O. Koven & Bro., Inc., Jersey City, N. J., have taken over the co-partnership of the same name as of Jan. 1, 1924. No change in management or personnel has been made. Gustav H. Koven is president of the new corporation, L. O. Koven, vice president and treasurer, and William Schulmerick, secretary.

The French Government is negotiating with Americans for sale of its match, tobacco, and telephone monopolies. Nothing definite has been announced regarding the match monopoly, but it is understood that a certain foreign concern has made a bid, and if it is accepted the transaction will be financed in New York.

Union Carbide and Carbon Co., at the annual meeting of stockholders held last week, elected Joseph P. Day to membership on the board of directors, to fill the place made vacant by J. A. Allison, who resigned because of ill health. Directors re-elected are Nicholas F. Brady, George W. Davison, James Parmelee, Milton Ferguson, C. K. G. Billings, Charles A. Coffin, George O. Knapp, Andrew Squire, Jesse J. Ricks, George M. Reynolds, F. C. Walcott and Myron T. Herrick.

**HUISKING AND WHEELER MERGED ABROAD**

Henry Wheeler & Son, London, and Charles L. Huisking, Ltd., London branch of the New York house of the same name, have joined interests under the name of Wheeler & Huisking, Ltd., according to a statement issued by Charles L. Huisking, Inc., New York. Offices of the new London firm will be located at 9 Great Tower st., E.C. 3. The personnel of the old firms remains unchanged. Directors are Arthur T. Wheeler, John F. Potton, Edward J. Shortt, all of London, and Charles L. Huisking, New York. The latter has just returned from England where he effected the consolidation. Wheeler & Huisking, Ltd., will act as European representatives for American firms.

C. P. Frailey, secretary of the American Drug Manufacturers Association says arrangements are nearly completed for the annual convention of the Association at the Biltmore Hotel, New York City, April 7 to 10. Among the speakers will be Dr. W. W. Skinner, assistant chief of the Bureau of Chemistry; Dr. George W. Hoover, chief of the Drug Control Section, Bureau of Chemistry; Charles W. Dunn, New York, who will talk on price maintenance; and Brig. General Amos A. Fries, chief of the Chemical Warfare Service.

Federal Mining & Smelting Co. reports \$614,472 net income for 1923, after all charges, against \$210,973 in 1922. The 1923 net income was equal to \$5.12 a share, carried on the \$12,000,000 preferred stock. Seven per cent. dividends were paid and the company reports a deficit of \$224,562. In 1922 earnings equalled \$1.75 a share on the preferred.

Dr. C. Hampson Jones, Commissioner of Health at Baltimore, has been authorized by the Board of Estimates to appoint a chief of the Health Department's division of chemistry at a salary of \$2,500 a year. The salaries of two vacancies in the division will be combined and used to pay the new chief.

A petition in bankruptcy was filed in the Federal Court on Monday, March 24, against American Splint Corp., manufacturers of match splints and match machinery, by E. H. Peaslee, a creditor to the extent of \$100,000 for money loaned. Liabilities \$5,000,000 and assets \$250,000.

C. W. Campbell of C. W. Campbell Co. New York, importers and exporters of chemicals, sailed Mar. 22 on the Olympic for three months trip to Europe. Mr. Campbell will make a study of business conditions in England and on the Continent.

Druachem Club, New York chemical and drug organization, will move to its new quarters at 15 John st. on May 1. Larger quarters, more centrally located, mark the first step in an expansion of the activity and membership of the club.

The British steamer Silton Hall, 4495 gross tons, arrived at Portland, Me., on March 22, from Fowey, England, with a cargo of 8600 tons of China clay, the largest shipment ever received at Portland.

Mathieson Alkali Works, Inc., is constructing a new plant at Niagara Falls for the production of ammonia. A new process utilizing nitrogen from the air and hydrogen will be used.

Allan L. Ritch has joined the sales staff of E. M. Laning & Co., New York, importers of perfumers' raw materials, and will cover the Metropolitan District.

**U. S. FIRMS ENGLISH NITRATE "DUMMIES", BUT GARRETT SLOW TO OFFER PROOF**

Representative Garrett, Democratic House Leader, Who Said British Nitrate Trust Uses American Chemical Firms to Block Ford Muscle Shoals Offer, Refuses to Make Statement—White, Baker, and Hooker Named English "Dummies"—Stated Antony Gibbs & Sons, London, Own H. J. Baker—Companies "Will Not Dignify Charges With a Reply"

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., Mar. 26.—Although he stated before the House of Representatives recently that British nitrate interests were attempting to block the offer of Henry Ford for Muscle Shoals, and that they were using American chemical companies as "dummies", especially the J. G. White Co., H. J. Baker & Bro., the Union Carbide & Carbon Co., and Elon H. Hooker Co., Finis Garrett, Democratic House leader, has refused to discuss the matter with a representative of DRUG & CHEMICAL MARKETS or give proof to substantiate his charges. The Bank of England is behind the move to kill off Ford's plan for cheap fertilizer, according to Garrett, who says H. J. Baker & Bro., New York, Chile nitrate distributors, are owned by Antony Gibbs & Sons, London, who have direct connection with the Bank of England through Lord Cullen of Ashbourne. The Garrett charges likewise accused J. P. Morgan & Co., and the General Electric Co., as well as the chemical companies, of being in league with the nitrate producers.

According to Representative Garrett, who had published in the Congressional Record, charts claiming to portray the inter-relation and connection of the Chilean Nitrate Producers Association and English money with the American interests lined up against the Ford offer, the Alabama Power Company's bid for Muscle Shoals is also of English origin. This dates back, according to Garrett, to the Union Carbide & Carbon Co., a Canadian corporation, to Sperling & Co., London, and the Bank of England.

New York, Mar. 26.—Companies named by Representative Garrett as English nitrate "dummies" do not apparently take the charges seriously, and the attitude assumed upon a visit by a representative from DRUG & CHEMICAL MARKETS was very obviously that they "would not dignify the accusations with a reply."

A large increase in the production of coal tar dyes during 1923 is indicated by the reports of domestic output which have been received by the Tariff Commission, in response to its questionnaire for the annual census of coal tar and synthetic organic chemicals. The year 1920 possesses the maximum record of American dye production, due to business conditions existing that year. On the contrary, 1921 showed a large decrease. There was an increase in 1922. Indications are that 1923 will approach closely, even if it does not equal, 1920.

Plans for the merger of the Botany Worsted Mills with its affiliated textile companies, took definite form, last week, with the organization in Delaware, of the Botany Consolidated Mills Corp., capitalized at \$30,000,000. The new company will take over the properties and assets of the associated companies. Ferdinand Kuhn, president of the Botany Worsted Mills, will continue as president of the new organization.

The plant and business of A-1 Manufacturing Co. chemists and manufacturers of polish, Philadelphia, have been purchased by J. L. Prescott Co., New York, which will operate the plant as a Philadelphia branch.

**PAID \$200,000 FOR LIQUOR PERMITS**

John Goroni, president Alps Drug Co., 410 Eighth ave., New York, told the Senate Committee investigating Attorney General Daugherty in Washington, that he spent \$200,000 for liquor withdrawals, paying \$15 per case. Goroni said \$4 per case went to the prohibition director, \$2 to Howard H. Mannington, friend of Attorney General Daugherty, who divided it with the late Jesse Smith, another of Daugherty's friends; \$1 to the drug concern in whose name the liquor was withdrawn, \$1 to Goroni, 50 cents to Assistant United States Attorney L'Esperance, New York, and \$6.50 to Will A. Orr and Owen Murphy. L'Esperance made a flat denial of any connection with the alleged graft.

**FULLER-MORRISON ABSORBS STEVENSON**

Fuller-Morrison Co., Chicago, wholesale drugs, established as Fuller & Fuller in 1852, has absorbed Robert Stevenson & Co., which dates from 1858. The new company will be the largest wholesale drug house in the West. A. Dawson, president of Robert Stevenson & Co., started with the Stevenson company in 1866 when it was known as E. P. Dwyer & Co. The Fuller-Morrison Co. was a combination of Fuller & Fuller and Morrison & Plummer, Richmond, Ind. The Morrison business was moved to Chicago in 1876 and merged with E. Burnham & Son under the name E. Burnham & Co., which later became Morrison, Plummer & Co.

Prof. W. B. Herms, of the University of California, Berkeley, will sail soon from San Francisco for the South Seas to investigate the coconut pests which are seriously impairing the copra business. He hopes to discover methods to control the organisms that have been attacking the coconuts. He will be accompanied by Harold Kerby, a graduate student of the University.

Magadi Soda Co., Ltd., London, has submitted plans to creditors and stockholders proposing a re-organization and reconstruction of the company's finances. This plan, which follows a resolution on the part of shareholders to voluntarily wind up the affairs of the company, is not receiving the necessary approval and its success is doubtful. A petition for an order to wind up the business is being held up temporarily by Justice Eve, of London, pending the outcome of the plan.

The failure of United States Industrial Alcohol Co. to resume common dividends at the meeting, last week, had been discounted and the stock was stronger after the meeting. Estimates of the company's earnings for 1923 run between \$10 and \$15 a share on the common stock and earnings for the first quarter of the current year will be substantially ahead of those in the same period of 1923. Gross earnings in the final quarter of 1923 are said to have exceeded the total for the whole year 1922, when \$3.68 a share was reported.

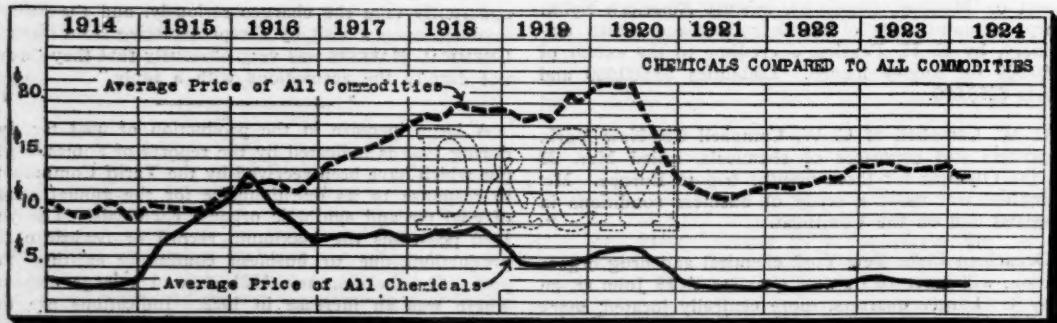
United Drug Co. sales for the first seventy-five days of this year show an increase over 1923 figures, corresponding to the 1923 increase over 1922. The increase in sales is at the rate of \$6,000,000 annually with total sales on a \$73,000,000 per year basis.

The sale of the business of Max. Cattel, wholesale druggists, Montreal, is expected to be carried out within a week or two. M. Cattel, the head of the firm, died early this month. The business is being carried on temporarily by relatives.

United States Industrial Alcohol Co. has declared the regular quarterly dividend of 1 1/4 per cent on the preferred stock, payable April 15, to stock of record March 31.

Duty on caustic soda imported into British India has been reduced from 23Rs to 21Rs per hundred weight.

## All Commodities Down; Chemicals Hold



The first three months of 1924 saw a marked decline in the average price of all commodities, according to Bradstreet's Commodity Index. During this same period, chemical prices have held against any notable decline, that is, an average representing sixty chemical products, twenty industrial, twenty medicinal, and twenty coal-tar intermediates. The resistance of chemical prices has been due in some degree to the low prices already in effect when the year began, although the chief supporting feature of the average curve shown

herewith was the strength of several of the medicinal and fine chemicals figuring in the computation. Heavy chemicals and intermediates have tended to sag since February 1, chiefly as a result of quiet price shading and one or two price-wars between manufacturers. The drop in the commodity average is from a level about 150% of pre-war as against something only slightly over an even parity for chemicals. The drop in commodities, while chemicals have held even, was to be expected and tends to even out the present inequality in prices.

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Mar. 22

	Bid	Asked		Bid	Asked
*Air Reduction	75	75 1/2	Heyden Chem.	134	2
*Allied Chem. & D.	66 1/2	66 1/2	Hoover Electro	5	15
*Allied Ch. & D., pf.	110 1/2	110 1/2	Hoover Electro, pf.	35	45
*Am. Ag. Ch.	10 1/2	10 1/2	*Household Products	22 1/2	33
*Am. Ag. Ch., pf.	30 1/2	32	*Int. Agricult.	1	1 1/2
*Am. Chicle	16	16 1/2	*Int. Agricult. New	3 1/2	5 1/2
*Am. Chicle, pf.	56	57	*Int. Agricult., pf.	1 1/2	5 1/2
Am. Cyan.	94	96	*Int. Nickel	13 1/2	13 1/2
Am. Cyan., pf.	75	77	*Int. Nickel, pf.	80	81
*Am. Druggist S.	47 1/2	54	*Int. Salt	71 1/2	89
Am. Glue	38	42	*Mathieson Alk.	33	34
Am. Glue, pf.	108	113	Merck & Co., pf.	67	70
*Am. Linseed	14 1/2	15	Merrimac	94	95
*Am. Linseed, pf.	28	38	Mulford Co.	35	42
*Am. Zinc	7	8	Mutual Co.	100	
*Am. Zinc, pf.	25	27	*National Lead	143	144
Archer-Dan-Mid.	20	22	*National Lead, pf.	112	115
Archer-Dan-Mid., pf.	84	86	N. J. Zinc	148	160
*Atlas Powder	50	52	Niag. A., pf.	96	100
*Atlas Powd., pf.	85	87	Parke, Davis & Co.	81	82
Carborundum	135	135 1/2	Penn Salt	85	86
Carborundum, pf.	116		*People's Gas, Chi.	95 1/2	96
Casco Co.	70	80	Procter & Gamble	120	122
Celluloid Co.	77	80	Procter & Gam., pf.	105	109
Celluloid Co., pf.	108	110	Royal Bak. Po.	130	136
Ches. Mfg.	401	404	Royal Bak. Po., pf.	97	99
Ches. Mfg., pf.	112	115	Sherwin-Williams	30	31
*Com'l. Solv. A.	55	57 1/2	Sherwin-W., pf.	100	103
*Do B.	46	50	Stand. Ch.	90	100
*Corn Products	17 1/2	178	Swan & Finch	61	63
*Corn Products, New w.i.	35 1/2	35 1/2	*Tenn. C. & Chem.	75	75
*Corn Products, pf.	119	120	*Tex. Gulf. Sul.	59 1/2	60
*Davison Chem.	53 1/2	53 1/2	Union Carbide	67 1/2	58 1/2
Dow Chem. non par.	45	50	Union Sulphur	57 1/2	
Dow Ch., pf.	94	98	*Un. Drug	76	77
*Du Pont de Nem.	129	130	*Un. Drug, 1st pf.	47 1/2	47 1/2
*Du Pt de Nem. Db.	86	86 1/2	*Un. Dyewood	30	44
*Eastman Kodak	108 1/2	109	*Un. Dyewood, pf.	55	55 1/2
*Eastman Kodak, pf.	108		Un. Gas Imp.	57 1/2	58 1/2
*Freepet Tex.	10	10 1/2	Un. Gas Imp., pf.	55	55 1/2
*Gold Dust, Ctrs.	34 1/2	35 1/2	U. S. Gypsum	85	87
Grasselli	121	128	U. S. Indus. Al.	69 1/2	69 1/2
Grasselli, pf.	108	104	U. S. Indus. Al., pf.	99	100
Hercules Powder	104	106	*Va. Car. Ch.	134	134
Hercules Powd., pf.	104	105	*Va. Car. Ch., pf.	54 1/2	55 1/2
			*V. Vivaudou	8 1/2	9

\*Listed on New York Stock Exchange

## New Incorporations

## Chemical Industry

Chemical Research and Designing Corp., New York, 1,000 shares common stock, no par value. L. B. Case, A. Fagerlund, Attorney, P. Crichton, 41 E. 42nd st.

Hy-Gas Laboratories, New York, 250 shares preferred stock, \$100 each, 1,000 shares common, no par value. Chemicals, J. Haggerty, T. H. Forestrom, O. V. Manan, Attorney, C. W. Carpenter, 2 Rector st.

Haynes Chemical Corp., New York, 500 shares common stock, no par value. Make disinfectants. M. P. Simmons, M. McKenzie, G. Craig, Attorney, E. A. Freshman, 166 Montague st., Brooklyn. Consolidated Cellulose Products Corp. of America, Wilmington, Del., \$2,200,000. Manufacture Corp. Trust Co. of America.

## Consuming Industries

Utex Mills, New York, Delaware Corp., \$500,000. Cotton, linen and silk products. Registrar and Transfer Corp., Wilmington, Del.

Berg Varnish Co., New York, \$35,000. Varnishes. J. E. Berg, S. H. and A. E. Berg, Attorney, I. E. Berg, 1364 Ocean Parkway, Brooklyn.

Oriza Legrand, New York, \$30,000. Manufacture perfumes. H. Mock, B. Wertheim, Attorney, H. C. Adams, 230 Broadway.

Kozol Laboratories, New York, Delaware Corp., \$30,000,000. Manufacture chemical and medicinal compounds. U. S. Corp., Dover, Del.

West Coast Laboratories, Dover, Del., \$1,000,000. Manufacture chemical and medicinal preparations. U. S. Corp.

Sonde Laboratories, Brooklyn, \$10,000. Manufacture toilet waters. M. and B. Sondak, M. Lerner, Attorney, J. B. Boudin, 110 West 40th st.

Babbitt Co., Harrisburg, Pennsylvania, \$45,000. Manufacture perfumes. U. V. Culver, 4730 Sanderson st., Philadelphia.

Western Plate Glass Co., Wilmington, Del., \$1,250,000. Manufacture plate glass. Corp. Trust Co. of America.

Amex Tropical Woods Corp., Wilmington, Del., \$300,000. Wood products. Colonial Charter Co.

Manka Rubinstein, New York, \$30,000. Toilet preparations. M. R. Czerwinski, F. E. Lewis, Attorney, T. F. Walsh, 2 Rector st.

Norman-Thomas Co., New York, \$10,000. Manufacture lacquers. S. George, M. Curran, L. S. Gotthelf, Attorney, M. W. Solomon, 102 East 125th st.

Beaney Rubber Co., Poughkeepsie, New York, 1,000 shares preferred stock, 100 shares common, no par value. Manufacture tires and inflation appliances. E. J. Noyes, H. Hicks, H. Hopkins, Jr., Attorney, F. J. Knorr, Albany. R. J. Waddell & Co., New York, \$160,000. Manufacture dry colors. O. Hack, A. Meikeljohn, C. E. Goehring, Attorney, R. B. Knowles, 165 Broadway.

## Financial Notes

Canadian Salt Co. has declared the regular quarterly dividend of 2 per cent, payable April 1 to holders of record March 22.

Procter & Gamble Co. has declared the regular quarterly dividend of 2 per cent on the 8 per cent preferred stock, payable April 15 to record March 25.

An involuntary petition in bankruptcy has been filed against W. R. Hollingshead, Inc., Binghamton, N. Y., manufacturers of chemicals. The liabilities amount to \$10,000.

Stock of the Silica Gel Corp. has been sold and the syndicate which underwrote the sale has been dissolved. Davison Chemical Co. received approximately \$2,600,000, which will be used in reducing the funded debt.

The balance sheet of Freeport Texas Co. and subsidiary companies as of Nov. 30, 1923, shows total assets of \$35,912,707 against \$35,433,919 in 1922. Current assets were \$4,425,695 and current liabilities \$1,288,018.

American Zinc, Lead & Smelting Co. reports for the year ended Dec. 31, last, deficit of \$40,227, after depreciation, contrasted with net income of \$21,900, equal to 23c a share on the \$2,414,000, par value \$25, preferred stock outstanding in 1922.

American Cyanamid Co. has declared an extra dividend of 50c a share payable April 1, to stockholders of record March 22. This is in addition to the regular quarterly dividend of \$1 per share on the common and \$1.50 per share on the preferred stock, payable at the same date.

Pittsburgh Aluminum Manufacturing Co. has declared an initial quarterly dividend of 25c per share on the common stock, payable March 31, to stockholders of record March 20. The regular quarterly dividend of 13 1/2 per cent on the preferred was declared, payable April 1, to stock of record March 20.

Creditors of Quality Drug Sundry Co., Brooklyn, operated by S. David Green and Bernard Lebowitz, have been notified that a hearing will be held on April 4, in the U. S. District Court, Postoffice Building, Brooklyn, when the Judges will consider objections to the discharge of the members of the firm from bankruptcy.

Stockholders of Chesebrough Manufacturing Co. have authorized an increase in the capital common stock from \$1,500,000 to \$4,000,000. The company will shortly declare a 100 per cent stock dividend which will give stockholders, in terms of the new units authorized, eight shares of \$25 a share par value, in exchange for each share of \$100 par value stock now held.

The stockholders committee of the Virginia-Carolina Chemical Co., which recently went into receivership, is working on a plan of re-organization which will be submitted to bankers as soon as completed. It is reported that the Southern Cotton Oil Co., a subsidiary of the Virginia-Carolina Chemical Co., will be taken over by new interests, entirely separate from the parent company.

The following judgments have been awarded in New York County: American Zinc, Lead and Smelting Co. against James D. Layng, Jr., for \$15,240.07; E. I. du Pont de Nemours & Co. against Lewis J. Wright, for \$138.70; E. I. du Pont de Nemours & Co. against W. H. Barnes, for \$568.45; Manhattan Soap Co. against Emilie Fernandez, for \$585.46; Manhattan Soap Co. against Pedro Fernandez, for \$583.36.

MARCH 26, 1924

## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 956-958

### BARIUM CHLORIDE SCARCE AND HIGHER

Domestic Makers Sold Up and Little Imported Material Available—Sodium Prussiate Easier on Spot—Imported Epsom Salt Scarce—Sal Ammoniac Slightly Easier—Caustic Potash Easier—Arsenic Quiet—Little Activity in Market

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

##### Advanced

Barium Chloride, \$5.00 ton Zinc, high grade,  $\frac{1}{4}$ c lb  
Sodium Tungstate,  $\frac{1}{2}$ c lb. Epsom Salts, Imp.,  $\frac{1}{2}$ c lb.

Calcium Chloride, Imp.,  $\frac{1}{2}$ c ton

##### Declined

Sodium Prussiate, Imp.,  $\frac{1}{2}$ c lb. Potash, Caustic, Imp.,  $\frac{1}{2}$ c lb.  
Calcium Cyanamide,  $\frac{1}{2}$ c unit

#### Trend of the Market

	Last Day	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetic Acid, Glacial...lb.	\$12 $\frac{1}{4}$	\$12 $\frac{1}{4}$	\$12 $\frac{1}{4}$	\$12	\$19 $\frac{1}{2}$	\$6 $\frac{1}{2}$
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.50	15.00	56.00	20.00
Ammonium Sulfate...100 lbs.	3.00	3.00	3.00	3.50	7.50	2.65
Bleaching Powder...100 lbs.	1.90	1.90	1.75	2.00	9.50	1.50
Copper Sulfate, e/f. 120 lbs.	4.90	4.90	4.75	6.40	20.00	4.50
Potash Caustic, Imp...lb.	.06 $\frac{1}{4}$	.06 $\frac{1}{4}$	.07	.08	.87	.08
Soda Ash, 38 p.c. 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c. 100 lbs.	3.66	3.66	3.65	3.76	9.50	1.42
Potassium Bichromate...lb.	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.10	.65	.06 $\frac{1}{2}$
Sodium Prussiate, Imp...lb.	.11	.11 $\frac{1}{4}$	.11 $\frac{1}{2}$	.18	1.25	.18
Average .....	2.980	2.983	3.050	3.318	10.79	2.99

Industrial chemicals continue in the doldrums as far as spot trading in chemicals is concerned. Buyers have been showing little interest in the market during the whole month except for the routine requirements for small quantities for immediate delivery. Manufacturers, on the other hand, state that business has been fairly good for the month though a few of the large consuming industries are far from active. The textile field has shown little improvement since the first of the year though it was expected that this month would see increased activity. Leather has also been slow in recovering. Under the prevailing conditions, chemicals have been holding fairly steady except in a few items which have suffered owing to competition among manufacturers. Spot supplies of imported chemicals have been affected by the dock workers' strike in Hamburg and some products will be increasingly scarce during the next few weeks. The strike is now settled but it will be a few weeks before movement of chemicals again begins. Prices abroad for home consumption are reported higher than for export and this has tended to reduce stocks here and make for a firmer market. Barium products are especially scarce at present owing to a sold up condition of domestic makers and a scarcity of imported goods. Epsom salt from abroad is also in limited supply.

**Acid Acetic**—Consumers have been taking supplies regularly and in generous quantities. Makers' prices are unchanged with 28 per cent quoted \$3.38@\$3.63 in barrels; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

**Acid Formic**—Demand continues along active lines with prices generally firm at 13c@13 $\frac{1}{2}$ c lb. for imported material.

**Acid Oxalic**—While buying has not been of any moment prices are unsettled owing to competition between imported and domestic material. Domestic material is selling as low as 10c lb. at works with the range from

10c@11c lb. as to seller and quantity. Spot prices are also quoted 10 $\frac{1}{4}$ c@11c lb. Imported at 10 $\frac{1}{2}$ c@10 $\frac{1}{4}$ c lb., spot.

**Acid Sulfuric**—Contract consumers are reported taking supplies regularly while new business is of moderate volume. Prices show no change from previous quotations with 66° in tanks at works, \$14.00@\$15.00 ton; in drums \$1.10@\$1.25 and in carboys, \$1.25@\$1.75; 60° in tanks, \$9.00@\$10.00 ton. Oleum in tanks, \$17.00@\$18.00 ton and in drums, \$1.25@\$1.75.

**Acetone**—Has been showing a downward tendency owing to increased supplies and increased competition in the market. C.P. is quoted 17c@17 $\frac{1}{2}$ c lb. at works. Methyl acetone, 95c@\$1.00 per gallon; Acetone oils, \$1.25@\$1.30 gal.

**Alums**—Demand is more or less routine with prices in makers' hands steady. Ammonia alum in lump, \$3.50@\$3.65 and ground, \$3.65@\$3.75. Potash alum, 4 $\frac{1}{2}$ c@4 $\frac{1}{2}$ c lb. Imported alum is stronger, 3c@3 $\frac{1}{2}$ c lb. Chrome alum, 5 $\frac{1}{2}$ c@6c lb. at works.

**Ammonium Chloride**—Domestic material continues in steady demand with prices unchanged at 7 $\frac{1}{2}$ c@8c lb. for white and 8c@8 $\frac{1}{2}$ c lb. for grey. Imported, while in small supply, has eased up in some quarters with sales at 6 $\frac{1}{2}$ c lb. though quoted 6 $\frac{1}{2}$ c@6 $\frac{1}{2}$ c lb. for white. Imported grey, 7 $\frac{1}{2}$ c@8c lb.

**Ammonium Carbonate**—Technical is offered 8 $\frac{1}{2}$ c@9c lb. while U.S.P. lump is quoted 11c@13c lb.; powdered, 13c@14c lb.

**Arsenic**—No new developments have occurred and the market remains in about the same position as last week. Buyers have been waiting for a demand for calcium arsenate to develop but since the first of the year no buying of either product has taken place. The season for manufacturing calcium arsenate is growing shorter and little more buying of arsenic is expected. Spot arsenic prices quoted 11 $\frac{1}{2}$ c@12 $\frac{1}{2}$ c lb. according to seller and source of origin. Calcium arsenate continues at 11 $\frac{1}{2}$ c@13c lb. as to time of delivery.

**Calcium Chloride**—Domestic material has been selling well for road purposes. Solid quoted \$24.30@\$24.50, New York, and granulated, \$30.50 ton. Imported material is in smaller supply and prices have advanced to \$23.00 ton for solid.

**Copper Sulfate**—Agricultural demands have been well covered for the coming season while industrial consumption is limited to small quantities. Carlots are named at \$4.85@\$4.95, New York, and smaller lots up to \$5.15 for domestic. Imported material is firmer at 4 $\frac{1}{2}$ c@5c lb. while shipments are quoted \$4.60 for German material.

**Barium Compounds**—One domestic maker is out of the market temporarily and others have little to offer at present. Imported material is scarce on spot and prices have advanced to \$85.00 ton. Domestic quoted \$85.00@\$90.00 ton. Carbonate is quoted \$68.00@\$70.00 ton at works and imported on spot, \$65.00@\$66.00 ton. Nitrate offered in some quarters at 8 $\frac{1}{2}$ c lb. though generally named at 8 $\frac{1}{2}$ c lb. Hydrate, 4 $\frac{1}{2}$ c@5c lb.

**Epsom Salt**—Domestic makers are unchanged with technical \$1.80@\$2.00 ton and U.S.P., \$2.10@\$2.50 as to quantity. Imported material is in small supply and

quotations are generally higher. U.S.P., \$2.25; technical shipments quoted \$1.20 per 100lbs.

**Potash, Caustic**—An easier tone is noted with offerings at 6½clb. in some quarters though generally quoted 6¾c@6½clb. for imported material. Domestic held at 7½clb. at works.

**Potassium Prussiate**—Yellow quoted 19c@20clb. and the red, 41c@43clb. on limited demand. Shipment prices of yellow, 18½clb.

**Potassium Bichromate**—Consumption has fallen off somewhat but prices are unchanged, 9½c@9¾clb.

**Potassium Permanganate**—Occasional shading is reported but the market is generally steady at 14c@15clb. for domestic and 14c@17clb. for imported.

**Potassium Titanium Oxalate**—One maker has reduced his prices and now quoting 27c@30clb. as to quantity. Lower prices are noted in other quarters at 25c@28clb.

**Soda Ash**—Consumption for March has shown an increase over the first two months of the year. Contract deliveries and new business have been gaining. Makers' prices are steady with contracts quoted for carlots of 58 per cent light at works, \$1.25 in bulk, \$1.38 in bags and \$1.63 in barrels. Spot business in less than carlot quantities, \$2.04@\$2.19 in bags and \$2.29@\$2.44 in bbls.

**Soda, Caustic**—An increasing demand for domestic consumption is reported and production is showing gains. Export business continues quiet. Prices remain the same with contract business in carlots quoted \$3.10 per 100lbs. for 76 per cent solid in drums. Ground and flake, \$3.50 in carlots on contract. Less than carlot business in Metropolitan district quoted \$3.76@\$3.81 for solid and \$4.16@\$4.31 for ground and flake.

**Sodium Acetate**—Holding firm at 5c@5½clb.

**Sodium Prussiate**—Imported material is easier with quotations on spot, 11c@11½clb. and shipments 10¾clb. Domestic is steady at 12clb. delivered.

**Sodium Tungstate**—Makers are quoting higher prices, 60c@65clb.

#### Metals

Prices generally appear unsettled and affected by the spirit of speculation attendant on the various markets. Copper prices are lower following a slump in the market abroad due to a decline in tin. Electrolytic is quoted 14¾c@15clb. Market for tin has been easier abroad and local prices lower at 53½clb. for Straits and 53clb. for standard. Lead prices are steady with quotations at 9c@9½clb. Zinc remains quiet with prices at 6¾clb. New York.

Dumping notices on sodium cyanide, imported from Germany by Roessler & Hasslacher Chemical Co., have been withdrawn by Assistant Secretary of the Treasury Moss. It is stated in a letter from the company to the Treasury Department that its German importation of sodium cyanide is of lower grade material than that which the company produces at its plant in Perth Amboy, N. J., and that the imported product has only one half the strength of the company's product.

Roessler & Hasslacher Chemical Co. say in March price list: "Consuming demand continues in fair volume. As a basic industry it is natural that we feel the effect of political agitation earlier than those lines where the public is the direct purchaser of the finished product. We believe stocks are not over-plentiful and greater activity therefore can be anticipated in the near future. Prices continue on a fairly even line with considerable strength shown in some individual cases."

#### WESTERN MINES TO INCREASE ARSENIC PRODUCTION BY MANY THOUSAND TONS

**Properties Abandoned When Arsenic In the Ore Was a Handicap May Now Be Opened—Smelters Installing Equipment For Recovery of Arsenic as a By-Product—Demand for Calcium Arsenate Increases**

(*Special to DRUG & CHEMICAL MARKETS*)

San Francisco, March 26.—The demand for arsenic in the Southern States is drawing attention to the arsenical ore deposits in Nevada, Utah, the Alleghany and Rand mining districts of California, and in mines in Oregon, Washington, Idaho, Montana, Colorado, Arizona, and New Mexico. Until recent years the presence of arsenic in Western ores was considered a handicap and many mines were abandoned because of this fact. Smelters made extra charges for the reduction of ores containing arsenic. Now that the market is expanding, with the prospect that sufficient arsenic to supply domestic demands cannot be met for several years, smelters are installing equipment for the recovery of arsenic as a by-product. A few plants, notably one at Toulon, Nev., operated by San Francisco interest, mine arsenic as the main product and the gold and silver recovered are regarded as byproducts. The plants in the West having the largest production are located at Toulon, Nev.; Tacoma, Wash.; Anaconda, Mont.; Midvale, Utah; Toole, Utah. One of the steadiest sources of supply is the reduction works on the old smelter dumps at Eureka, Nev., at one time the greatest lead producing center in the world. These dumps, which contain thousands of tons of ore, are being worked at a substantial profit.

While the cotton-producing states absorb a large part of the present output, it is estimated that the railroads use 2,000 tons a year in weed-eradication. Another 2,000 tons are used in the manufacture of plate glass, and about 1,000 tons in the manufacture of sheep dip. Smaller quantities are used for fruit and vegetable sprays, for dusting grape vines and for combatting the cattle tick. Lead arsenate, formerly used by tobacco growers, is considered just as effective as an insecticide, but the fact that it was more costly at the time arsenic came into use as a remedy for the boll weevil has worked against its use since then. Western miners predict that many known arsenic properties, which had been abandoned, will be opened this year.

#### HARRIS ASKS \$100,000 FOR ARSENATE

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., March 26.—Senator Harris, of Georgia has introduced an amendment to the Agricultural appropriation bill in the Senate "for additional amount for the extermination and prevention of the cotton boll weevil, including investigations of processes for the manufacture of calcium arsenate and other poisons to be used in connection with said extermination and prevention, \$100,000."

Senator George has introduced a bill in the Upper House to "amend the Tariff Act of 1922 by placing ammonium sulfate on the free list." The bill has been referred to the Committee on Finance.

The production of rolled zinc in the United States made a gain of 4 per cent in 1923 over 1922, when the output was the largest since 1918, the year of greatest production, the Department of the Interior announces from figures compiled by the Geological Survey.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 956

### PYRIDINE PRICES ADVANCE SHARPLY

Sudden Demand Finds Small Supplies on Spot—Phenol Holding at Recent Decline—Toluene and Solvent Naphtha in Small Supply—Benzidine Lower—Paranitrotoluene Reduced—Little Activity in Dyes

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Pyridine, 30c gal.	Declined	Benzidine, 2c lb.	Para-nitrotoluene, 7c lb.
<b>Trend of the Market</b>					
Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Benzene, pure .....	gal. \$24	\$.24	\$.24	\$20	\$25
Naphthalene flake .....	lb. .06	.06	.06	.07	.16
Phenol, Spot .....	lb. .33	.33	.36	.50	.50
Toluene .....	gal. .26	.26	.26	.26	.26
Aniline Oil .....	lb. .16	.16	.16	.16	.16
Alpha-naphthylamine .....	lb. .35	.35	.35	.35	.28
Benzaldehyde .....	lb. .75	.75	.75	.65	..
Betanaphthol .....	lb. .26	.26	.26	.24	.30
Dimethylaniline .....	lb. .37	.37	.37	.42	.30
Paranitroaniline .....	lb. .70	.70	.70	.78	.18
Average .....	0.348	0.348	0.351	0.372	..

General conditions in the market for coal-tar products and dyestuffs have shown no improvement during the week. On the contrary the trade reports even less business than during the early part of the month. In the textile field there has been little activity for some time and this inactivity with small purchasing of supplies naturally affects the production of dyes and intermediates. Occasional price changes are recorded in intermediates, but on the whole the list is quite steady. Prices are at low levels, it is understood, and further shading or cutting would not increase buying at this time. Temporary competition in a few products has accounted for a few lower prices. Coal-tar crudes are holding at recent levels. Toluene and solvent naphtha are in small supply and prices strong though still quoted unchanged. Benzol demand has fallen off but producers are busy shipping supplies on previously placed orders. A sudden demand for pyridine found the market bare of stocks and prices advanced sharply during the week both for spot and shipment. Phenol business has been sufficient to maintain prices at the latest quotations during the week but a weaker tone is noted.

#### Coal-Tar Crudes

**Benzene**—Buying has fallen off somewhat recently but prices remain substantially the same as before. Producers are making deliveries on previously placed orders and production is being kept up steadily. A price war in gasoline in Chicago has affected benzol prices in that district. In most sections, however, gasoline has been steady and an advance is possible with arrival of warmer season. Pure benzol in tanks quoted 24c@25c per gallon and in drums, 29c@30c gal. Ninety per cent in tanks, 23c and in drums, 28c gal.

**Cresylic Acid**—Buying continues to be limited to small quantities and supplies appear to be sufficient for present demands. With the arrival of Spring weather a substantial increase in demand is expected. Prices are holding at former quotations with 97-99 per cent pale, 70c@75c per gallon according to seller and quantity. Dark material selling at 65c@70c gallon.

**Naphthalene**—Dyestuff demand has been negligible this year and supplies for the annual Spring trading in

flakes and balls appear more plentiful than usual. Orders for Spring delivery have been reported good. Makers are quoting 6c@6½clb. for flakes and 7c@7½clb. for balls. Chipped naphthalene at 5½clb. Imports at New York last week included 967 bags of crude naphthalene.

**Naphtha, Solvent**—Production of the material has been small and supplies have been limited to occasional tank cars. Prices have a strong tone under the circumstances with tanks quoted 26c gallon and drums, 31c gal.

**Phenol**—Selling levels appear to be holding former levels with open market prices at 33c@34clb. Production is reported to be increasing in one producing quarter and to this is attributed the recent easier position of phenol.

**Pyridine**—An order for a large quantity of pyridine in the market found little material on spot and prices rose sharply. Some sellers were quoting \$3.75 for spot material while shipments are named at \$3.50.

**Toluene**—Supplies of this material have been very small and somewhat difficult to locate. The fact that demand has not been heavy has kept prices from advancing. The tone of the market is strong, however, with producers quoting tanks at 26c per gallon and drums, 31c gal.

**Xylenes**—Supplies are moving out regularly with prices of the various grades holding steady. Commercial quoted 27c@28c in tanks and 32c@33c in drums; 10 degree, 32c in drums; 5 degree, 35c in tanks and 40c in drums; 3 degree, 45c@50c in drums.

#### Intermediates

**Acid, Anthranilic**—Moving in a routine way at unchanged prices with technical quoted 94clb. and refined \$1.00lb.

**Acid, Gamma**—Little buying reported and prices holding at \$1.40@\$1.50lb.

**Acid, H**—Makers are holding prices steady though buying continues routine and in small quantities. Generally quoted 72c@75clb. according to quantity.

**Alpha-naphthylamine**—Nothing new in the market and prices unchanged at 35c@37clb.

**Aniline Oil**—Aside from the regular small buying there have been no new features. Prices continue steady with makers quoting 16c@17clb. as to quantity.

**Anthraquinone**—Holding firm on limited supply at \$1.15@\$1.25lb.

**Benzidine**—One maker has reduced his price and is now quoting 80c/lb. Other makers are quoting 80clb. though with orders in sight, shading is possible.

**Beta-naphthol**—Buying continues in the usual small quantities with makers quoting 26clb. for small lots and 24c@25c in carlots.

**Diethylaniline**—In small supply and quoted at 55c@60clb.

**Dimethylaniline**—Makers quoting 37c@38clb. for the customary quantities. Little activity reported.

**Dinitrobenzene**—Makers now generally quoting 16clb. on limited demand.

**Meta-tolylendiamine**—Demand from fur dyers has not yet developed though expected soon. Makers quoting 82c@88clb.

**Para-nitrotoluene**—Makers quoting lower prices at 47c/lb.

**Para-nitraniline**—Has been in good demand in some sections. Prices are holding at 68c@72c/lb.

As a result of the recent visit to Canada by the Earl of Dunmore and Sir Thomas Bolton, a company under the name of Dominion Tar and Paper Co. has been formed by English capitalists for the manufacture of coal-tar products. A chain of factories will be established in Canadian cities, sites for which have already been obtained in Toronto, Montreal, Winnipeg, and Vancouver. The plant to be built at Toronto will cost \$200,000 and the company has made a 10-year contract with the Consumer's Gas Co. to purchase the whole of their tar output, and similar arrangements are being made in other cities.

Paul Pickhardt, of Kuttroff, Pickhardt & Co., New York, said recently in Paris that the report that he was interested in negotiations with the German Dye Cartel with a view to forming a dye pact with American manufacturers, similar to the agreement with British Dyestuffs Corp., was pure fiction and did not warrant the dignity of a denial.

Dr. Arthur E. Houlehan, of the technical staff of E. I. du Pont de Nemours & Co's Jackson Laboratory, died March 10 of pneumonia, at Wilmington, Del. Dr. Houlehan, who had been with du Pont for twelve years, and was only 39 years of age, was one of the leaders in the development of American dyes during the past decade.

Prof. Washington of the American Mines Service, who has studied the Italian mescite deposits, estimates that they contain 9,000,000 tons of potash. He thinks that its extraction needs only to be organized on a sound financial basis in order to become an important source of wealth.

An International exhibition of dye products will be held in the City of Tilburg, Holland, from July 18 to Aug. 18. It is expected that many American manufacturers will display their products.

Procter & Gamble, Ivorydale, O., have established a wash test laboratory to prove the fastness of dyes and the washability of textiles as a gratuitous service to manufacturers of dyed fabrics.

Lignite Industries Corp., St. Paul, Minn., is completing tests of a new briquetting and by-products plant in that city before shipping to one of the plants of the company in Texas.

John Campbell & Co., makers of aniline colors and coal-tar products, have issued a booklet to the trade, giving a full description of the sulfur colors which they are offering.

Talbot Dyewood & Chemical Co., Lowell, Mass., announces the election of Arthur H. Johnson, treasurer and general manager at a recent meeting of the board.

Sodium sulfate and zinc dust are used instead of sulfoxylate in a new process for hand printing with vat colors patented in Germany by Cassella.

A metallurgical and mining syndicate may be established in the near future in Spain, consisting of foreign companies exploiting metal mines in Spain.

The German Dye Cartel has acquired control of the Deutsche Laenderbank, Berlin, through which its financial transactions will be arranged.

#### HOLLIDAY DISCUSSES GERMAN DYE PACT

L. B. Holliday, managing director of L. B. Holliday & Co., Ltd., Huddersfield, England, says in a letter published by the "Chemical Age", London: "The idea has become general that the British dyestuffs industry is solely represented by the British Dyestuffs Corporation, but 60 per cent. of the aniline dyes manufactured in Great Britain are manufactured by concerns other than that corporation. Therefore, if consideration were given solely to the financial interests in the British Dyestuffs Corporation the Government would be favoring a party which, in the matter of production in this country, is in the minority. It is hoped that in the near future the Association of British Chemical Manufacturers will be able to show irrefutable figures and facts on this subject, and give publicity to the achievements of the firms other than the British Dyestuffs Corporation, and thus let the public understand that the failure of the British Dyestuffs Corporation by no means suggests that the dyestuff industry as a whole has been anything else but successful."

"I understand that statements have been made that the Germans in the dyestuffs industry are so strong that they can, if they like, wipe out the British competition whenever and wherever they want. I do not say that the British trade in dyestuffs could be maintained at the present moment unless the Dyestuffs Act protected them in their own market. This protection is not only helpful with regard to prices but has its greatest utility in the fact that it gives the British maker an absolutely certain quantity of dyes at which the Germans cannot keep digging their share out of. Outside concerns have built up in the largest color consuming countries, at great expense, skilled and adequate selling organizations, and I submit that where this has been done British-made dyewares are not only holding their own against German competition, but are daily making advancement."

#### CITED FOR BRIBERY IN SALE OF SIZINGS

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., March 26.—For bribery in inducing employees of textile mills to recommend the purchase of sizings, finishings, and soluble oils, of their manufacture, Spier-Simmons & Co., New York, have been cited by the Federal Trade Commission for unfair methods of competition. W. M. Wayness, Pittsfield, Me.; John R. Garrity, Pittsfield, Me.; John H. Nulty, Woonsocket, R. I.; and Arthur H. Healey, Pittsfield, Me., are named in the complaint as receivers of bribes from the company from Aug., 1922, to May, 1923. Under Docket 1091, a cease and desist order has been served on Spier-Simmons & Co., upon which they must report to the Commission before May 10.

E. I. du Pont de Nemours & Co., Wilmington, Del., have a complete system of eye examinations of employees, which was started five years ago, according to reports of the company to the Eyesight Conservation Council of America. In the dye plant, 1,587 employees have received eye examinations and throughout other factories of the company, use of goggles by workers is encouraged.

Chemical warfare training will become a part of a regular chemical engineering course at Massachusetts Institute of Technology next fall under direction of the Chemical Warfare Service. A unit of the Reserve Officers' Training Corps will be instructed as part of their regular course.

## The Oil Market

Current Spot Quotations of Oils, Tallow, Greases, page 975

### CHINAWOOD OIL SPOT AND FUTURE LOWER

Sellers Reduce Prices as Demand Eases—Red Oil Stronger—Linseed Oil Declines Further—Cottonseed Oil Irregular—Stearic Acid, Easier—Fish Oils Quiet—Lard Oil Lower—Turpentine Advances

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Declined
Red Oil, Distilled, $\frac{3}{4}$ lb.	Degras, English, Spot, $\frac{1}{2}$ c lb.	
Chinawood Oil, Spot, $\frac{3}{4}$ lb.	Neatsfoot Oil, Extra, $\frac{3}{4}$ lb.	
Shipment, $\frac{3}{4}$ lb.	Oleo Oil, No. 1, Spot, $\frac{1}{2}$ c lb.	
Greases, Choice White, Spot, $\frac{3}{4}$ lb.	No. 2, No. 3, $\frac{3}{4}$ lb.	
Lard Oil, Edible Prime, $\frac{3}{4}$ lb.	Stearic Acid, S. P., $\frac{1}{2}$ c lb.	
Extra, No. 1, $\frac{3}{4}$ lb.	Double and Triple P., $\frac{1}{4}$ c lb.	
No. 1, No. 2, $\frac{3}{4}$ lb.	Linseed Oil, All Grades, 2c gal.	

#### Trend of the Market

	Today	Last Week	Last Month	Year	War Peak	Pre. War
Cod Oil, N. F. ....	gal.	\$67	\$67	\$68	\$70	\$1.26
Degras, American, bbl. lb.	.044	.044	.044	.044	.23	.034
Lard, No. 1. ....	gal.	.81	.87	.87	.99	.92
Menhamden, crd., bbls. gal.	.50	.50	.50	.55	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.24	1.24	1.27	1.39	3.45	.95
Red Oil, distilled ....	gal.	.094	.094	.094	.114	.17
Stearic Acid, T.P. ....	lb.	.134	.134	.134	.16	.33
Coconut, Ceylon, bbls. lb.	.10	.10	.10	.10	.90	.14
Cottonseed, crude, tks. lb.	.084	.084	.084	.084	.104	.08
Linseed, carlots ....	gal.	.90	.92	.94	1.10	.86
Oliver, denatured ....	lb.	1.25	1.25	1.25	1.45	4.50
Peanut, refined ....	lb.	.164	.16	.16	.164	.20
Soya Bean, bbls. ....	lb.	.12	.12	.12	.134	.104
<b>Average</b> .....		<b>0.470</b>	<b>0.475</b>	<b>0.480</b>	<b>0.510</b>	<b>1.30</b>
						<b>0.362</b>

Consistent lack of demand which has characterized the oil market for the past few weeks, is being evidenced by a gradual downward revision of prices in attempts to stimulate a more vigorous demand. During the past week, buying has been slow and consumers have been in the market for small lots only, sufficient to cover their current needs. Practically no advance buying has been done, and large buyers are not entering the market. To this end, producers have reduced prices, but whether or not improved buying will follow is more than can be anticipated. Supplies are not plentiful in all quarters, and this is a contributing factor to any firmness which may be noted. Coconut oil at the Coast is in fairly active demand. The market for Chinawood oil has again suffered a setback and prices are easier. Linseed oil is easy and crushers have again reduced prices. Cottonseed oil has been easy and prices irregular with lower tendencies. Not a few producers attribute the hesitancy and lack of interest on the part of buyers to the unsettled situation at Washington.

#### Vegetable Oils

**Castor Oil**—Market during the past week has been stronger with prices firm at last week's levels. No. 1, is quoted  $15\frac{1}{2}$ c@16clb. and No. 3, 15c@ $15\frac{1}{2}$ clb. Demand has been increasing and with seed supplies scarce, the situation appears to be tightening up considerably. Reported corner in beans in India.

**Chinawood Oil**—Activity in the market has been inconspicuous and buying is being done in a small way only. Inquiries have fallen off considerably during the past week, and with stocks on hand sufficient, prices have eased down. Quotations are now  $17\frac{3}{4}$ c@18clb. spot; forward shipments, f.o.b. N. Y.,  $17\frac{3}{4}$ c@18clb.; forward on Coast,  $17\frac{3}{4}$ c@ $17\frac{3}{4}$ clb. in tanks.

**Coconut Oil**—Improvement in demand and buying is active at the Pacific Coast in tanks. Although buying locally has been of little importance, the general situa-

tion reflects a firmer tone. Present quotations are as follows: Ceylon, barrels, spot,  $9\frac{1}{4}$ c@10clb.; Ceylon, tanks,  $8\frac{3}{4}$ clb.; Manila, at Coast,  $8\frac{1}{2}$ c@ $8\frac{3}{4}$ clb. in tanks. Imports for the week amounted to 1,170,420 pounds.

**Corn Oil**—Buying has been inactive during the past week. Although prices have not changed, the market is easier in tone. Refined oil is quoted at  $12\frac{1}{2}$ c@ $12\frac{1}{2}$ clb.; crude, at the mills,  $8\frac{1}{2}$ c@ $8\frac{3}{4}$ clb.

**Cottonseed Oil**—Situation has been one of irregular tendencies. The demand for crude and refined oil has apparently eased off, and the market is now at lower levels. The Census Bureau's monthly report on consumption was disappointing in that the consumption of refined oil for February did not reach expectations. This had a bearish effect on the market which is evidenced by lower prices this week. P.S.Y. prices opened at 9.45@9.65 for March to 10.20@10.22 for Sept. Crude oil is quoted  $8\frac{1}{4}$ clb. at mills.

**Linseed Oil**—Business during the week has continued dull and as a result, crushers have announced a further reduction in prices amounting to 2c per gallon on all grades. Demand for the past few weeks has been very light and with the number of inquiries considerably less, crushers have attempted to interest large buyers by reducing prices. Doubtful whether the present reduction will prove sufficient to stimulate a demand as business is transacted in a most conservative and disinterested way. Carlots are now quoted 90c per gal. in barrels, spot, and less than carlots, 93c per gal. Forward shipments are quoted at 90c per gal. London linseed oil is firm at 39s 3d per quintal. Antwerp prices have declined to 39s 4d per 100 kilos. Flaxseed prices are as follows: Winnipeg opened the week at  $2.10\frac{1}{4}$  for May, and  $2.11$  for July; Duluth,  $2.39\frac{1}{2}$  for May, and  $2.38\frac{1}{4}$  for July. Buenos Aires price steady at  $1.59\frac{1}{2}$ .

**Olive Oil**—Very little interest has been shown in the market during the past week. Supplies are light and prices firm at last week's levels. Denatured oil is unchanged at \$1.25 per gal. Olive oil foots are quoted 10c@ $10\frac{1}{4}$ clb. spot in barrels, with shipment prices,  $9\frac{1}{4}$ c@10clb.

**Palm Oil**—Demand for both Lagos and Niger has been without feature and limited to small quantities. Lagos is unchanged at 8clb. and Niger quoted at 7c@ $7\frac{1}{2}$ clb.

**Perilla Oil**—Stocks are light and with demand inactive, prices have not changed. Quotations are  $14\frac{3}{4}$ c@15clb.

**Rapeseed Oil**—Steady routine demand for small quantities. Supplies have been small, but sufficient for current needs. Refined is priced 90c@92c per gal.

**Soya Bean Oil**—No developments of any consequence have taken place and the market is unchanged with routine demand limited to small lots. Crude is quoted 12c@ $12\frac{1}{2}$ clb. spot, bbls. Stocks not large. Buying probably cause price rebound.

#### Animal Oils

**Lard Oil**—Market has been exceedingly dull with buying routine. Producers have reduced prices and edible prime is now quoted 14clb. No. 1 is quoted  $10\frac{3}{4}$ clb. and No. 2,  $10\frac{1}{2}$ clb.

**Neatsfoot Oil**—A fairly active demand has been noted and prices are unchanged with the exception of extra, in barrels, which is quoted at  $11\frac{1}{4}$ clb.

**Oleo Oil**—Demand is light with buying limited to routine requirements. Producers have reduced prices in an effort to attract buyers. No. 1 is quoted 12½clb. spot, and No. 3, 10clb.

**Red Oil**—Increased demand and market has assumed a stronger tone. Prices for distilled oil are quoted 9c@9½clb. in barrels.

**Stearic Acid**—Market has been without feature and buying limited. Dealers have reduced prices slightly and single pressed is now quoted 11½c@12clb. Double pressed is quoted 12c@12½clb. and triple pressed, 13c@13½clb.

**Tallow**—Very little interest has been shown in the market during the week but demand has been sufficient to hold prices at former levels. City extra is quoted at 7¾clb.

#### Fish Oils

**Cod Oil**—Demand quiet. Sellers report no active demand from tanneries. Newfoundland oil is quoted 65c@69c per gal. in barrels and 60c@64c per gal. in tanks.

**Menhaden Oil**—No new developments have been reported during the week. Buying was restricted. Some dealers have received more inquiries and indicate that the market may assume a stronger tone. Refined oil is quoted 62c@65c per gal. for light strained.

**Whale Oil**—Market has been without feature and demand inconspicuous. Supplies are small, however, and prices are firm. Natural winter is quoted 77c per gal. spot; bleached, 81c per gal. spot; extra bleached, 82c per gal.

#### Naval Stores

**Turpentine**—Business has shown an increase during the past week. Reports from the South indicate a demand which may cause a further rise in prices. Quotations are on a basis of \$1.03 per gal. ex-yard, N. Y. Savannah prices firm at 97c per gal.

**Rosins**—Market for the week has been quiet with a small amount of business transacted. Sellers report a slight increase in inquiries from linoleum and paper industries. The following price quotations are in effect: B, \$5.65; D to I, \$5.70; K, \$5.75; M, \$5.80; N, \$6.00; WG, \$6.95; WW, \$7.35.

#### COTTONSEED CRUSHING DECLINES

(Special to DRUG & CHEMICAL MARKETS)

Washington, March 26.—The cottonseed report for the seven-month period Aug. 1 to Feb. 29, announced by the Census Bureau, showed: Cottonseed crushed, 2,741,643 tons, compared with 2,816,404 for the same period a year ago, and on hand at mills February 29, 385,716 tons, compared with 305,096 a year ago.

Products manufactured in the period and on hand February 29, were: Crude oil produced, 807,708,183 pounds, compared with 860,330,826, and on hand, 128,517,999 pounds, compared with 86,959,062. Refined oil produced, 596,696,709 pounds, compared with 700,930,351, and on hand, 205,077,952 pounds, compared with 227,476,466.

Sulfur oil is not included in the olive oils subject to the export duties established by the Spanish royal order effective Feb. 11, last, according to an interpretation of this order by the Technical Commission of the Central Customs Department, writes Assistant Trade Commissioner Burke, Madrid. The olive oil of 4 per cent or less acidity, whose average monthly prices have been taken as the basis for the determination of the duty, is interpreted to refer to edible olive oil.

#### SAVANNAH TURPENTINE PRICES HIGHER

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga. March 22.—Turpentine closed the week firm at 97 cents. Business has shown improvement and at times the demand was greater than offerings, which resulted in a gain of 3½ cents during the week. Heavy shipments have been depleting stocks which are in strong hands. The weekly demand cannot be supplied from the small receipts, and indications are for further advances in price on the present rise. Even with the arrival of new crop the increased demand is expected to maintain prices. The cold weather has retarded the turpentine crop this season. Sales of summer futures have been made at 84c and inquiry has been good. Stocks in Savannah and Jacksonville have been reduced this month about 7,700 barrels. Receipts this week, 392 bbls.; sales reported, 194 bbls.; shipments, 2,667 bbls; stocks today, 6,124 bbls.

Rosin closed firm with WW 10c higher, M 5c higher, and N 5c lower than a week ago. Business has been satisfactory and more buyers have been bidding. Medium and common grades have been in demand. Fine grades may go up on arrival of new season and increased buying. Stocks are less than a year ago. Receipts, 2,153 bbls.; sales, 1,779 bbls.; shipments, 9,141; stock, 54,824.

Jacksonville, March 21.—Turpentine closed firm, 96¾c. Sales 64 bbls.; receipts and offerings are more liberal than at Savannah. Stocks, turpentine, 17,821 bbls.; rosin, 125,746 bbls.

#### PHILADELPHIA GETS FLAXSEED DIRECT

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, March 26.—As a result of efforts of the Foreign Trade Bureau of the Philadelphia Chamber of Commerce additional shipments of flaxseed will come direct through the Port of Philadelphia. Nearly a year ago this bureau arranged to bring here considerable quantities direct to this port, instead of through New York for John T. Lewis & Brothers Co.

Owing to the lack of complete service about fifty per cent of the Lewis shipments continued to go through New York. By an arrangement with the International Freightling Corp., which will have monthly sailings from Buenos Aires; with only one stop at Santos, Brazil, and with a twenty-nine day service; additional flaxseed cargoes will come direct here. This arrangement also brings additional cargoes to this new direct service to help maintain it.

#### PANAMA TAKES 90,000 lbs LINSEED OIL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C. March 26.—More than 282,339 pounds of linseed oil valued at \$35,696, were exported during January, according to the Department of Commerce. The largest quantity, more than 90,000 pounds, went to Panama, and 34,000 pounds to Canada.

Exports of soya bean oil during January were 511,802 pounds, valued at \$53,720. More than 300,000 pounds went to Uruguay.

The United States exported 13,468,580 pounds of cottonseed oilcake, in January, of which by far the largest quantity went to Denmark, with Germany second. More than 30,327,394 pounds of linseed oilcake was exported, of which 21,000,000 pounds went to the Netherlands, with England taking the second largest quantity.

The plant for the manufacture of textile and other industrial soaps, which is being built at Springfield, Mass., by Dunker & Perkins, Boston, is about completed and production will begin some time this spring.

## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 956

### MAKERS REDUCE CREAM TARTAR AGAIN

Competition Forces Second Cut—Imported Also Lower @21½c—Imported Citric and Tartaric Active—Menthols Under Pressure—Hexamethylene Lower—Guaiacol Carbonate Easier—Salicylates Quiet

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Potassium Permangan., Imp., ½c lb.
Acid, Tartartic, Imp., ½c lb.		
Declined		
Acid, Phosphoric, Imp., ½c lb.	Guaiacol Carbonate, 5c lb.	
Caffeine Alk., Resale, 5c lb.	Hexamethylene, Imp., 1c lb.	
Cream Tartar, Imp., ½c lb.	Menthols, 10c lb.	

#### Trend of the Market

	Today	Week	Last Month	Last Year	War Peak	Pre. War
Acetanilid .....	\$1.22	\$1.22	\$1.32	\$1.35	\$2.00	\$2.20
Acid Citric, Import .....	.45	.45	.48	.49	1.25	.45
Caffeine Alkaloid .....	4.00	4.00	4.00	3.76	18.00	3.65
Calomel, American .....	1.10	1.10	1.10	1.25	3.43	.50
Camphor, Jap., ref. .....	.77	.77	.79	.90	3.55	.41
Iodine, Resublimed .....	4.40	4.40	4.40	4.55	5.00	3.75
Menthols .....	12.15	12.25	12.50	8.25	13.50	3.00
Potassium Bromide, Cryst. ....	.30	.30	.30	.26	4.30	.30
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.57	4.25	.27
Strychnine Sulfate .....	.65	.65	.65	.84	2.05	.50
Average .....	2.29	2.29	2.32	1.99	5.92	1.56

Prices of some imported fine chemicals seem easing off on spot. Actual buying during the past week has been for immediate requirements only, with tendency for a narrower market instead of the usual broadening during March. Stocks in consuming quarters are, no doubt, ample for the present at least, especially salicylates, guaiacol carbonate, menthol, and hexamethylene. The margin between several imported and domestic made chemicals is approaching zero, and from present indications, the makers appear to be getting the "upper hand." The quotations heard from abroad are moving upward, thereby making it more difficult to import these chemicals at a profit.

**Acetanilid**—Makers report a quiet market and name 30c@32clb. spot, and resale quote 30c@31clb. with the possibility of shading the latter figures on firm business.

**Acetone**—Weak at 17c@18clb. works as to quantity.

**Acid Acetysalicylic**—Although quoted by makers at 75c@85clb. spot, second hands are offering in fair sized quantities at 70c@71clb. with the possibility of doing 69clb. with firm order in hand.

**Acid Citric**—Demand active and some fair sized quantities have passed into consumption during the past week at 47½c@48clb. spot for imported, and 48c@49c lb. for domestic. Little advance is seen in the imported over the domestic material especially in regard to price. Shipment named at 30clb. c.i.f. New York.

**Acid Phosphoric**—Imported lower at 12½clb. spot for 85 per cent syrupy, and 12c@13clb. for domestic.

**Acid Tartaric**—Has advanced and now holders of imported name 27½c@28clb. spot for crystal, and 28c@28½clb. for powdered. Business on the increase with tendency for further firmness, according to reports. During past week 55 casks were imported at New York. Domestic held at 30clb. for either crystal or powdered.

**Alcohol**—First hands report no reduction in price, but at the same time resale quarters state that demand has been falling off of late and that this item is in

good supply at 47c@48c gal. for No. 5 completely denatured. Makers name 48c@50c gal. for No. 1 specially denatured, and 46c@48c gal. for No. 6 completely denatured.

**Aloin**—U.S.P. held at 88c@93clb. spot as to seller and quantity.

**Amidopyrine**—Demand slow at the moment with domestic holders naming \$4.60lb. spot, importers quoting \$3.35@\$4.50lb. as to quantity.

**Amyl Acetate**—Quiet and in good supply at \$4.00@\$4.25 gal. for refined.

**Antipyrine**—Demand small and routine at \$2.15@\$2.25lb. spot as to quantity and seller.

**Bay Rum**—In better supply at \$1.20@\$1.30 gal. for medicated St. Thomas goods, and Porto Rican material at the same prices.

**Bismuth Subnitrate**—First hands report little business at the moment at \$2.90lb. spot, and resale at \$2.80lb.

**Bromides**—Domestic manufacturers report an active business at 36c@37clb. spot for ammonium, 26c@29clb. for potassium, and 27c@28clb. for sodium. Imported material in good supply, and holders state that domestic makers appear to be getting the business on quality. Imported ammonium named at 18c@20clb., potassium 18c@19clb., and sodium 22c@24clb.

**Caffeine Alkaloid**—While makers maintain \$3.75@\$4.25lb. spot, resales are lower at \$3.65@\$3.75lb. Second hands on citrated are naming \$2.85@\$2.90lb.

**Camphor**—Japanese quoted steady and active at 77c@78clb. spot for 2½lb. slabs, although some directions state that much lower can be done. However, on checking up no cheap material could be found. During past week 510 cases were imported at New York from Shanghai. Domestic quoted at 96c lb. spot in barrels.

**Chloroform**—Makers name 35clb. spot in drums, and second hand material is obtainable at 33clb.

**Cocoa Butter**—Bulk named at 26c@26½clb. in bulk, and fingers at 34c@35clb. Demand routine only.

**Cod Liver Oil**—Market steady at \$25.50@\$26.00bbl. spot for Norwegian with shipment held at \$24.50bbl. c.i.f. New York in large way. Since the catching season was entered with little stocks, the trade is looking for continued high prices for some time to come. Last week saw 41 barrels entered at New York.

**Cream Tartar**—American makers have cut prices for the second time within a week. Keen competition has brought another reduction, this time to 21½c@22clb. basis. Imported material is lower at 21½c@22clb. spot, which price primarily induced the cut by domestic makers.

**Epsom Salt**—U. S. P. in active demand at \$2.00@\$2.15 cwt. for imported, and \$2.10@\$2.15 cwt. for domestic in c/l.

**Formaldehyde**—Makers are offering more freely at 11clb. works in c/l, and 12c@12½clb. in carboys.

**Fusel Oil**—Has declined again and now quoted at \$4.25@\$4.50gal. spot for refined, and crude at \$2.50@\$3.00gal. During past week 22 drums and 67 casks were entered at New York, which will add materially to the already ample supplies.

**Glycerin**—Dynamite is firm at 16c@16½clb. spot with tendency for holders to "stand pat" at these levels. C. P. quiet at 16½c@17clb. in drums.

**Guaiacol Carbonate**—Sharply lower at \$3.75@\$4.00lb. spot owing to accumulation of supplies.

**Hexamethylene**—Imported lower at 67c@68clb. spot as to quantity, and domestic at 75c@77½clb.

**Menthol**—Has declined owing to small demand from consumers and now quoted at \$12.15@\$12.40lb. spot as to quantity and seller. Shipment still named at \$11.50 lb. c.i.f. for immediate delivery. During past week 61 cases were imported at New York.

**Mercury**—Spot holders name \$68.00@\$69.00 flask, but reports are heard that buyers are not coming in the market in sufficient quantities to warrant further advances. Any slight increase in inquiry, however, will undoubtedly cause additional increases. London quoting £11 5s. per flask. Last week saw 300 flasks entered at New York.

**Podophyllin**—Demand quiet at \$5.95@\$6.00lb. spot from second hands, and \$6.00@\$6.25lb. by makers.

**Potassium Permanganate**—Imported is stronger in a more active market and quoted at 14c@17clb. spot as to quantity and seller. One outside holder reported naming 13½clb. for 100 kilo cases without confirmation. Domestic named firm at 14c@15clb. works.

**Saccharin**—Makers report an active demand at \$1.90@\$2.10lb. spot as to quantity.

**Sodium Benzoate**—In better demand with supplies ample at 65c@68clb. spot.

**Sulfonethylmethane**—Quiet and in routine demand only at \$3.85@\$4.05lb. spot.

**Sulfonmethane**—Steady at \$2.65@\$2.85lb. spot.

The committee of judges for the prize essay contest being conducted by the American Chemical Society will be headed by Dr. Nicholas Murray Butler, president of Columbia University. Other members of the committee are Elon H. Hooker, president of Hooker Electrochemical Co.; S. C. Mastick, vice president of Warner Chemical Co.; Dr. William H. Nichols, General Chemical Co.; Dr. John E. Teeple and M. C. Whitaker, president United States Industrial Chemical Co.

Capt. A. Dawson, who was president of Robert Stevenson & Co., before it was merged with Fuller-Morrison Co., will be the guest of the Chicago Drug and Chemical Association, on Thursday, March 27, at a luncheon at the Hamilton Club. Election of officers will take place at this meeting. Applications for membership have been received from William Waterfield, of Waterfield & Spade; O. George Heyl, Larvex Corp.; and G. W. Wallerich, of V. Mueller & Co.

Ralph R. Patch was elected president and treasurer of E. L. Patch Co., Boston, at a recent meeting of the board of directors. Other officers are vice president, James A. Patch; secretary, George Y. Hutchins; assistant treasurer, William S. Lister. The board consists of the foregoing and Harry W. Byron, Charles W. Dunn, Herman W. Parker, Edgar W. Emery, and Wilfred A. Smith.

Prohibition Commissioner Haynes has been ordered by President Coolidge to make a thorough investigation of the enforcement situation in the large cities of the Atlantic seaboard. The President's attention was called to the statement of Rear Admiral Plunkett, who termed Washington the "wettest city in the United States."

Glass ampules are dutiable at fifty cents per ton instead of 55 per cent ad valorem, according to a ruling by Assistant Secretary of the Treasury Moss under Par. 217 of the Fordney Tariff.

## DRUG TRADE AIDS PHARMACISTS' PLAN

**Baltimore Committee Ready to Canvass the Trade—Declare Building Fund Is an Investment**

The campaign for a pharmaceutical headquarters building, conducted by the American Pharmaceutical Association is receiving whole-hearted support from the drug trade. The publicity committee in charge of Dr. E. L. Newcomb, Minneapolis, has received endorsements from local, state, and national pharmaceutical associations in all parts of the country, drug and pharmaceutical companies and faculties of colleges of pharmacy.

Dr. H. A. B. Dunning, of Hynson, Westcott & Dunning, Baltimore, Md., chairman of the Headquarters building Campaign Committee, writes in glowing terms of the response to the committee's appeal to the pharmaceutical industry. Announcement has been made of the chairmen for each state. Further plans call for an intensive, but short campaign to put

the proposition over the top.

Theo. J. Bradley, Dean of the Massachusetts College of Pharmacy, says that a contribution to the building fund is an investment from which returns will be received for many years to come. Dean F. J. Wulling, University of Minnesota, in a talk over the radio from station WLAG, at Minneapolis, spoke on the plan for payment of subscriptions in ten installments over a period of five years. Many subscriptions have been received but it is the conviction of the committee, that to assure the desired result, every one in the industry must respond generously.

The campaign in Maryland is taking shape. President R. E. Lee Williamson, of Calvert Drug Co., who has been designated chairman of the State Committee, has invited prominent pharmacists of Baltimore to become team captains to make a canvass of the drug trade.

## FRENCH SKILLED CHEMICAL LABOR SHORT

"All chemical companies are busy in France, and it seems that they are having difficulty in keeping up with orders, owing to a decided shortage in skilled labor," according to Dr. Max Mueller, president, Rhodia Chemical Co., New York, who has just returned from a trip to France, Germany, and Switzerland. "The recent drop of the franc caused little alarm in France, because the French are thoroughly convinced that they are right in their stand. On the other hand, high cost of raw materials, and tendency for strikes and labor troubles have caused Germany considerable difficulty in successfully competing in the chemical markets. The French people are looking forward to the time when the franc will sell for ten to the dollar. Switzerland is inactive, owing to the high rate of exchange, but some factories in Basle are producing to their capacity."

The United Medicine Manufacturers of America will hold their annual convention in Washington, D. C., April 8 to 11. Arrangements have been made for speakers of prominence including Charles C. Concannon, chief of the Chemical Division of the Department of Commerce, who will talk on the export situation.



H. A. B. DUNNING

## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 977

### INSECT POWDER DECLINES ON SPOT

Owing to Easier Shipment Figures—Balsams in Good Supply—Buchu Leaves Again Lower—Manna Easier—Bayberry Wax Lower—Mexican Sarsaparilla Supplies Heavy—Spanish Saffron Up Sharply

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Saffron Flowers, Spanish, \$1.40 lb.
Balsam, Peru, 10c lb.	Declined	Dragon's Blood, Reeds, 10c lb.
Tolu, 10c lb.		Fish Berries, 1c lb.
Bayberry Bark, Wax, 5c lb.		Insect Powder, 20 lb.
Boneset, Herb, 1/2c lb.		Jasp. Root, White, 4c lb.
Buchu Leaves, 1c lb.		Manna, Small Flake, 1c lb.
Damiana Leaves, 3/4c lb.		Sandarac Gum, 1c lb.

	Trend of the Market					
	Today	Week	Last Month	Last Year	War Peak	Pre. War
Aconite Root, U.S.P.	\$45	\$45	\$30	\$35	\$90	\$12
Buchu Leaves, Short	.75	.78	.81	.92	4.00	.85
Cantharides, Russian	.90	.90	1.10	1.75	9.00	2.10
Cocculus Indicus	.03%	.03%	.03%	.03%	.85	.03
Ergot, Spanish	.33	.33	.34	.52	4.50	.54
Insect Powder, pure	.63	.65	.65	.70	1.00	.28
Ipecac, Cartagena	2.10	2.10	2.10	2.10	4.50	1.35
Nux Vomica	.05	.05	.05	.06%	14%	.07
Opium, gum	9.00	9.00	9.00	6.75	30.00	5.00
Rhubarb Root, H. D.	.30	.30	.31	.40	1.75	.15
Tragacanth, No. 1, ribbon	1.25	1.30	1.30	1.70	6.00	1.50
Wild Cherry Bk., thin nat.	.11	.11	.13	.09	.31	.07
Average	1.35	1.35	1.37	1.29	5.28	1.00

The crude drug market has been so quiet during the past week that the actual condition of the different botanicals has been difficult to ascertain. With a gradual decline in prices, from the country, the spot market cannot be expected to show much increased buying for some time to come. Most of the big business during the week has been transacted between importers with consumers taking only necessary quantities, as they apparently feel that within a few weeks new supplies will be coming into the market at cheaper prices. Spot scarcities have resulted in keeping up some interest in the market, but most of the present attention is centered on new crop possibilities. Insect powder is offered more freely for shipment and spot prices are lower. Although buchu leaves are below replacements, holders are inclined to let go of stocks probably in order to turn over investment. Mexican sarsaparilla root is coming through in larger quantities and further reductions are possible.

**Aconite Root**—While 45c@47clb. spot is quoted on spot, some factors will probably shade these figures on firm business.

**Agar Agar**—Spot supplies ample for all requirements at \$1.47@\$1.50lb. for No. 1, and \$1.40lb. for No. 3. Immediate shipment is named at 99%clb. c.i.f. New York for No. 1 subject to confirmation. During the past week 64 bales were imported at New York.

**Aletris Root**—Market quiet and most trading confined to dealers. Quoted at 53c@55clb. spot.

**Aloes**—Curacao in good supply at 10c@11clb. spot with tendency to lower figures. During past week 211 cases were imported at New York. Cape, 8½c@9clb.

**Angostura Bark**—Demand small at 8c@10clb. spot.

**Anise Seed**—Business has been done at 14½clb. spot for Spanish, but prices generally quoted are 15c@15½c lb. with some houses still higher. Star quiet at 13½c@14clb.

**Arabic Gum**—Amber sorts steady at 14c@14½clb. spot. Recent arrivals are reported light with tendency for an advancing primary market.

**Balm Gilead Buds**—In small demand at 45c@50clb. spot.

**Balsams**—Peru lower at \$1.90@\$2.00lb. spot, and Tolu in better supply at \$1.70@\$1.80lb.

**Bayberry Bark**—Wax lower owing to competition for available business at 20c@22clb. spot.

**Belladonna Leaves**—Although prices are unchanged, demand is slow at the moment at 28c@30clb. spot.

**Boneset Herb**—Under pressure at 7½c@9clb. spot.

**Buchu Leaves**—Has declined again and now quoted at 75c@78clb. spot for bales in spite of high replacement costs, and 84c@86clb. for less. During past week 15 bales were imported at New York.

**Cantharides**—Chinese market weak at 90c@95clb. spot for whole, and \$1.05@\$1.10lb. for powdered.

**Cascara Amarga**—In small supply at 25c@27clb. spot.

**Cascara Sagrada**—Generally quoted at 28c@30clb. spot for new bark, and 29c@31clb. for old peel. Market is steady on spot with shipment supplies closely held.

**Celery Seed**—Higher at 34c@35clb. spot owing to activity in this market and also to the export duty of 25 per cent, which France proposes to place on this article.

**Chamomile Flowers**—Roman easy and in small demand only at 75c@80clb. spot, and Hungarian at 7½c@8clb.

**Clover Tops**—Little activity reported with prices remaining unchanged at 25c@27clb. spot.

**Cloves**—Zanzibar named on spot at 29½c@30½clb. with shipment slightly easier.

**Cubeb Berries**—XX in good supply at 70c@75clb. spot.

**Damiana Leaves**—Lower at 15c@16clb. spot with some houses still naming 15½clb. Goods "to arrive" at 15clb.

**Dandelion Root**—Prices remain firm, although demand has been small for some time past. Quoted at 37c@39clb. spot. During past week 33 bales were imported at New York.

**Dragons Blood**—Reeds have declined and now holders are asking \$1.05@\$1.10lb. spot with possibility of shading these figures on firm business.

**Ergot**—In ample supply at 33c@35clb. spot.

**Fish Berries**—Lower at 3c@4clb. spot.

**Ginger**—African quoted firm at 18c@19clb. spot, and all grades of Jamaica steady with prices ranging from 34c to 38clb.

**Insect Powder**—Has declined and now quoted at 63c@65clb. spot owing to small demand and easier shipment figures. Market dull. Last week saw 100 bales of flowers entered at New York.

**Ipecac Root**—Cartagena in good supply at \$1.95@\$2.00lb. for whole, \$2.10@\$2.20lb. for powdered.

**Japan Wax**—Spot quoted in small quantities only at 23c@24clb. with practically nothing offered for shipment until June-July.

**Larkspur Seed**—Competition keen for available business at \$1.15@\$1.20lb. as to quantity.

**Manna**—Small flake lower at 38c@39clb. spot with large quoted at 78c@79clb.

**Mullein Flowers**—Business slow and tendency for accumulation of stocks at \$1.00@\$1.10lb. spot.

**Quince Seed**—Market quiet with tendency toward easier figures than 95c@\$1.10lb. spot.

**Saffron Flowers**—Spanish have advanced and now quoted at \$31.50@\$35.00lb. spot as to seller and quantity. Reports are heard that one of the recent cheap sellers has been in the market to buy goods in order to cover sales. Replacements said to be inside at \$38.00lb. c.i.f. New York. American, 80c@82clb.

**Sandarac Gum**—Lower at 27c@29clb. spot owing to small demand.

**Sarsaparilla Root**—Mexican easy at 22c@24clb. spot with tendency for lower figures due to recent arrivals, which have been heavy. Last week saw 80 bales entered at New York. Honduras, 61c@65clb.

**Senega Root**—In small supply at 65c@67clb. spot with little being offered for shipment.

**Tragacanth Gum**—Soft and present stocks are under pressure at \$1.25@\$1.30lb. for No. 1, and 95c@\$1.25lb. for No. 2 to 6.

**Wormseed**—Business quiet, although price remains firm at \$4.25lb. for Levant; 8½c@9clb. for domestic.

Fred L. Harris, who has been a prominent member of the drug trade of Boston for many years, died at the Peter Bent Brigham hospital, Boston, last week. He was born in Nashua, N. H., fifty-six years ago. His father established New England Drug Co. in East Boston. On the death of the elder Harris, Fred L. and his brother Charles R. took over the business and they have conducted it since.

Exports of kauri gum from New Zealand during December were 721 tons, valued at £61,661, of which the United States received 501 tons and the United Kingdom 197 tons, according to George H. Lincks, New York. He says that production for December was 576 tons, and 506 tons for January.

The Boston Druggists' Association held its March meeting on Tuesday evening, March 18, at Young's Hotel, Boston. Robert Lincoln O'Brien, editor of the "Boston Herald" spoke on "Our Political Outlook." A business meeting was held prior to the dinner.

John T. Stebe, manager of South American department, McKesson & Robbins, New York, returned last week on "S.S. Tivives" from a two months trip through South America, where he made a personal survey of business conditions in the drug and chemical field.

The National Wholesale Druggists' Association has announced that the Golden Jubilee Meeting of the Association will be held at the Ilo'ei Ambassador, Atlantic City, N. J., during the week of Sept. 22. Harry J. Schnell is chairman of the committee on arrangements.

The greater part of the sarsaparilla root exported from Vera Cruz, Mexico, is obtained in the Misantla and Alvarado districts. At the present time the interior districts are controlled by the Rebels and shipments of sarsaparilla root are small.

Dr. Ira W. Worcester, of Holbrook, Mass., who was for many years prominent in the drug trade of New England, died at his Holbrook home last week. He retired from active business five years ago because of failing health. He was 60 years old.

#### BURT GODDIN TO JOIN McILVAINE BROS.

Burt Goddin, formerly sales manager for the Hoffmann-LaRoche Chemical Works, New York, will become general sales manager for McIlvaine Bros., Philadelphia crude drug importers and millers, on Apr. 1. The main sales office of McIlvaine will be moved to New York and Mr. Goddin will have charge of all sales operations. The McIlvaine mill, said to be the oldest drug mill in the country, will not be moved from its present location near the Baldwin Locomotive Works in Philadelphia. The present New York office of McIlvaine Bros. is at 101 Beekman st., but it is understood that new quarters are contemplated. Mr. Goddin was connected with Hoffmann-LaRoche for eleven years. His total service in the chemical and drug trades is now close to twenty-five years.

#### OPIUM STOCKS SHORT IN CONSTANTINOPLE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Constantinople, Feb. 18.—Opium stocks available have dwindled to a total of 296 cases. A favorable crop is expected. Japanese purchases, it is believed, will be important. A total of 47 cases were sold during the first half of the month at the following prices: 39 cases Druggist at \$14.58 - \$15.25; 8 cases Soft at \$16.05 - \$17.12. Sales increased toward the end of the month amounting to: 131 cases Druggist at \$14.63 - \$17.11; 21 cases Soft at \$16.72 - \$17.75; 24 cases Malatia at \$14.89 - \$16.21.

#### JALAP ROOT CROP MAY BE 18,000 KILOS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, March 15.—The crop of jalap root in the State of Vera Cruz is estimated at 18,000 kilos, but this does not include production from the San Juan Coscomatepec district. The states of Oaxaca and Hidalgo produce a large amount of jalap root and the greater part is shipped through Vera Cruz to the United States and European ports. The market price in Jalapa at the present time is about 50 cents per pound, American currency.

#### McKESSON & ROBBINS SEEK CHINA TRADE

Pietro T. Incovitch, for some years representative for Russian drug interests in the Orient, is now on a four-months' trip through the Far East in the interest of McKesson & Robbins' health helps and specialties. About two months will be spent in China and will include a trip to a number of interior cities. Mr. Incovitch, who is now in Japan, is expected back in New York during July.

Herbert L. May, New York attorney, has been elected president of the board of directors of May Drug Co., Pittsburgh. His main office will continue in New York.

Opium production is estimated at 3,000 tons, of which 500 tons are ample for legitimate medicinal purposes, according to the League of Nations Narcotic Committee.



## The Essential Oil Market

Current Spot Quotations of Essential Oils, 981, Aromatic Chemicals, 982

### OIL CASSIA EASIER FOR SHIPMENT

Shippers Unable to Sell at High Prices—Oil Orange Higher on Spot—Java Oil Citronella Active—Oil Cloves Lower Owing to Selling Pressure—Oil Cedar Wood Firm—Oil Peppermint Buying Small

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Declined
Oil Orange, West Indian, 10c lb.		
Italian, 15c lb.		

Oil Cassia, Natural, 10c lb.	Oil Cloves, Cans, 5c lb.

Trend of the Market	Last Week		Last Month		War	Pre.
	Today	Week	Month	Year	Peak	War
Oil Bergamot	\$3.40	\$3.40	\$3.00	\$2.60	\$7.00	\$5.00
Oil Citronella, Ceylon	.80	.80	.75	.71	.92	.60
Oil Cloves	2.15	2.20	2.0	1.80	3.70	1.40
Oil Lemon, Italian	.85	.85	.80	.75	1.70	2.00
Oil Peppermint, Nat.	3.80	3.80	3.60	2.65	9.00	2.25
Oil Sandalwood, E. I.	6.60	6.50	6.75	8.00	13.00	5.25
Oil Sassafras, Artif.	.36	.36	.37	.42	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	3.85	3.85	3.85	4.50	31.00	3.10
Methyl Salicylate, Cans	.47	.47	.47	.61	1.00	.90
Vanillin	54 1/4	54 1/4	54 1/2	.40	.95	.20
Average	2.19	2.18	2.16	2.06	6.83	2.05

Higher prices asked for a number of spot oils have resulted in an easing off in buying, although the trade thinks that consumers will be required to come into the market in a large way in the near future in order to replenish present stocks. The recovery of French exchange has resulted in firmer ideas in regard to oil lavender and geranium, especially for shipment. Oil cassia has eased off from \$2.00lb. c.i.f. New York to \$1.80lb. c.i.f. Oil orange has advanced further for shipment, and little stocks are reported on spot. Oil lemon, on being checked up by dealers, was found to be in small supply. Most of the business reported during the week was between essential oil houses. The premium of the American dollar over the Canadian has caused an easing off in buying from across the border. Oil cedar wood is tending scarce and higher prices are freely predicted. An accumulation of cheap oil cloves has resulted in a lower market.

#### Essential Oils

**Oil Almond**—Bitter in small demand and price is \$3.25@\$3.75lb. spot, and ffPA also quiet at \$3.50@\$3.75lb.

**Oil Amber**—Unchanged and quiet at 90c@\$1.00lb. spot for rectified.

**Oil Anise**—Market firm and higher prices are entirely likely owing to the small amount of stocks reported in Hongkong. Supplies are expected from the interior, but as yet have not arrived. Quoted at 45c@50clb. spot for U.S.P. material, and 42c@45clb. for technical.

**Oil Bay**—Quiet and routine at \$2.50@\$2.60lb. spot.

**Oil Bergamot**—Shipment ranges from \$3.30@\$3.40lb. c.i.f. New York and firm thereof. Spot holders name \$3.40@\$3.60lb. in small way only. The advances for shipment are followed closely by higher spot prices, which probably indicates the reduced state of stocks.

**Oil Bois de Rose**—In small supply and closely held at \$4.00@\$4.50lb. spot. None has been received in this market for some time past.

**Oil Camphor**—Demand quiet and restricted to busi-

ness between dealers at 13 1/2c@15clb. spot for Japanese white in cases, and 13c@15clb. in drums.

**Oil Caraway**—Spot firm at \$8.25@\$8.50lb. with shipment in better supply at \$7.75lb. c.i.f. New York.

**Oil Cassia**—Easing off for shipment has been the feature of the week. Now quoted at \$1.80lb. c.i.f. New York, against former quotation of \$2.00lb. The high prices named by shippers in China, were evidently too firm for importers here. Buying will probably not be large until shipment has reached at least \$1.35lb. c.i.f.

**Oil Cedar Leaf**—Steady though in small demand at \$1.00@\$1.10lb. spot.

**Oil Cedar Wood**—Firm with possibility of sharp advances owing to small supplies both on spot and for shipment. Quoted at 32c@34clb. spot with shipment fully equal to these figures.

**Oil Cinnamon**—Ceylon steady and price is \$11.00@\$12.50lb. spot. Leaf at \$2.00lb. in bottles.

**Oil Citronella**—Schimmel tested material firm and price is 80c@85clb. spot in drums, and 82c@87clb. in cases. Spot stocks are beginning to be cleaned up, according to reports. During past week 14 drums were imported at New York, but these are thought to be sold "to arrive." Pure in active demand at 85c@95clb. spot. Java is scarce and little is being offered from abroad. Spot at \$1.10@\$1.15lb. in drums with shipment about \$1.08lb. laid down in New York.

**Oil Cloves**—Market is easier at \$2.15@\$2.25lb. spot in cans owing to slow demand and cheap outside lots being offered under prices of first hands.

**Oil Cubebs**—Easy though unchanged at \$5.25@\$5.50lb. spot.

**Oil Eucalyptus**—Demand small at the moment with drums offered at 65clb. spot, and cases 67 1/2c@70clb. A better regulation of imports will keep this item from fluctuating so sharply, according to the trade. Within the last month the market has nearly reached the point of being flooded.

**Oil Geranium**—Bourbon firm at \$6.50@\$6.75lb. spot, and Algerian at \$7.00@\$7.25lb.

**Oil Lavender**—Spot held at \$4.50@\$6.00lb. for good quality with tendency for advancing shipment prices owing to the higher franc.

**Oil Lemon**—Italian scarce at 85c@95clb. spot as to seller and quantity with shipment about equal to values near American, 80c@85clb.

**Oil Mustard**—Demand quiet with holders asking \$3.75@\$4.00lb. spot. The recent scarcity appears to have eased up slightly.

**Oil Orange**—West Indian firmer at \$2.60@\$2.70lb. spot owing to higher replacement costs. Italian also higher at \$3.30@\$3.50lb. as to seller and quantity. Recent cables name \$2.80lb. c.i.f. New York. American, \$2.90@\$3.00lb.

**Oil Patchouli**—In good supply at \$6.00@\$6.50lb. spot.

**Oil Peppermint**—Prices are firm though buying is somewhat limited to actual requirements. Holders name \$3.80@\$3.95lb. spot for natural, and \$4.10@\$4.30lb. for redistilled.

**Oil Sandalwood**—Quoted at \$6.60@\$6.80lb. spot as to seller.

**Oil Wormseed**—In good supply at \$6.50@\$7.00lb. spot.

#### Aromatic Chemicals

**Coumarin**—Makers report an active market at \$3.85@\$4.00lb. spot owing to high price of vanilla beans.

**Musk Ambrette**—Firm at \$15@\$17lb. spot as to seller.

**Musk Ketone**—Higher at \$20@\$22lb. spot due to scarcity.

**Terpineol**—First hands report routine demand at 50c@\$51clb. spot in drums, and 54c@\$55clb. in cans.

#### Balsams

**Peru**—Market has declined and now quoted at \$1.90@\$2.00lb. spot owing to small demand.

**Tolu**—Better supplies have resulted in lower prices at \$1.70@\$1.80lb. spot.

#### The Tin Market

**Tin**—Market has eased off during the week owing to the prospects of better supplies in April as well as slow demand on spot. Straits named at 55½clb. spot, standard at 55¾clb. Arrivals thus far this month have been 1,000 tons Atlantic ports, 75 tons Pacific, and 10,120 tons afloat.

#### Vanilla Beans

**Bourbon**—Firm at \$9.00@\$9.50lb. spot. During past week 157 cases were imported at New York.

**Mexican**—Whole price is \$10.50@\$12.50lb. spot, and cuts \$9.00@\$9.50lb. Shipments are reported on increase.

#### "NORTHERS" DELAY VANILLA SHIPMENTS

(*Special Correspondence to DRUG & CHEMICAL MARKETS*)

Vera Cruz, Mexico, March 15.—Only small shipments of vanilla beans are being brought to this port by the coast-wise boats from the vanilla districts, owing to the danger of a norther which would force a vessel to seek refuge in a Southern port at present held by the rebels. Several coast-wise vessels have been captured and their cargoes confiscated by the rebels, so the boats bring only eight or ten cases.

The rebels in the Papantla districts threatened to take the uncured vanilla beans, but on learning that the vanilla was only half cured and would spoil and be of no value within fifteen days, they demanded money. These forced loans by the rebels and a shortage of laborers in the vanilla districts have made this a bad year for the vanilla growers, as well as for the curers.

It is reported that the district of Gutierrez Zamora is now under Federal control. If the rumor is true, vanilla shipments will be increased somewhat.

#### TOILET GOODS MAKERS TO MEET APR. 22-24

The thirtieth annual convention of the American Manufacturers of Toilet Articles will be held at the Hotel Biltmore, New York, on April 22, 23, and 24. Walter Hathaway, Colgate & Co., is chairman of the Convention Committee, which also includes Burton T. Bush, August F. Kammer, Louis S. Levy, and Edward V. Kileen. Daily business sessions will be held morning and afternoon of the three meeting days. Tuesday evening, Apr. 22, a theatre party at the Apollo Theatre will see "Poppy". Wednesday evening will be open for private arrangements of convention visitors. The annual banquet will be held on Thursday evening at the Hotel Biltmore. Reservation cards, covering all entertainment features of the convention, have been sent out.

Charles Fischbeck, of Ungerer & Co., New York, is the father of a boy, Robert M., born on March 13.

#### ESTIMATE VANILLA SHORTAGE 150 TONS

The present position of the vanilla bean market is justifiable, according to E. Guillevic & Co., London, who say: "The world's consumption amounts approximately to 600 tons of Bourbon, Comores and Madagascar descriptions, and this consumption increases steadily every year. On the other hand, the Islands, which up to a few years ago produced up to 750 tons, have seen their production considerably decreased during the last two years owing to drought, and this year their yield has been under 450 tons. A shortage of about 350 tons compared with the production of normal years evidently exists, making a deficiency of 150 tons under the requirements of the world's consumption. The position has been rendered still more critical owing to the fact that in September last the new season was entered without any stock, whereas in previous years stocks amounting to about 100 to 150 tons have been noted at the beginning of the new crop. The fact must also be taken into consideration that Tahiti, which has supplied up to 250 tons in years past, did not produce more than 70 tons last year. There are now no large stocks left with the growers, importers or merchants, and no lower prices may be anticipated before September-October next."

#### VANILLA BEAN BOOM STARTS IN TAHITI

Everybody has gone into vanilla bean growing in Tahiti, according to an Associated Press dispatch from Papeete. The sudden rise in the price of vanilla beans during recent weeks has induced a rather exciting speculative boom, especially among Chinese. Some time ago a Chinese merchant in Papeete, by accumulating vanilla beans when prices were low, amassed a fortune on the turn of the market. Now many Chinese are endeavoring to do likewise, despite higher prices. They argue that by the failure of the crop in Madagascar and Bourbon and the reduced yield in Mexico owing to war, vanilla beans will command still higher prices. Every land owner is planting every available acre in vanilla vines.

In Bora Bora, though there are scarcely five miles of passable roadway, motor cars are in great demand. The agent for a widely known American light car is taking vanilla beans in exchange for cars, while bicycles in large numbers have been virtual legal tender for purchase of vanilla beans.

Essential oil and synthetic aromatic chemical sales in Germany are confined to smallest quantities, the chief characteristic being sharp price cuttings, according to March issue of the "Perfumery and Essential Oil Record," which says: "Oil bergamot is quoted at 30s per kilo and scarce therat. Oil citronella is dormant with supplies in keeping with requirements. Oil peppermint appears to be offered freely. Coumarin is quoted at 32s 6d per kilo. Phenylacetaldehyde is named at 47s per kilo for 98-100 per cent quality."

Star anise oil has advanced owing to reports of short stocks in Hongkong, according to "The Chemist and Druggist," London, which says: "Japanese mint oil is almost cleared on spot, and is at a higher though nominal value. French spike is cheaper on spot than to arrive. Cassia and also geranium oils are also firmer to come forward. Coriander oil is cheaper."

The executive committee of the Flavoring Extract Manufacturers' Association met in New York, on Mar. 20, to discuss means and take action regarding a law enacted in West Virginia which imposes restrictions upon flavoring extracts and medicinal preparations containing alcohol.

## The Foreign Markets

Imports of Drugs and Chemicals, page 985

### CASCARA SAGRADA HIGHER IN LONDON

Advances Reported in Lemon and Orange Oils, Chloral Hydrate and Mercury—Bleaching Powder Firmer—Glauber's Salt and Litharge Lower—Ipecac and Sarsaparilla Easier.

(*Special Cable to DRUG & CHEMICAL MARKETS*)

London, March 26.—Trading in fine chemicals is quiet. A few changes have occurred in crude drugs. Cascara Sagrada and cardamoms are higher. Advances are reported in lemon and orange oils, chloral hydrate and mercury.

The market is firmer for citric acid, bleaching powder, senega root and crude antimong.

Prices of ipecac (Matto Grosso) and Jamaica sarsaparilla are easier.

Glauber's salt and litharge are lower.

London, March 15 (By Mail)—Vanilla has been in strong demand and is much higher. The spot market is short of supplies and parcels arriving of Bourbon quality have fetched up to 47s 6d per lb. Advices from the producing districts report depleted stocks and a considerable decrease in production over last season. Tinnevelly senna is much dearer. Better qualities are almost unobtainable and small to medium greenish is fetching 7d per lb. Balsam tolu is cheaper. Cascara sagrada is very firmly held at the late advance. Castor oil has advanced in Hull again by £1 per ton. The demand continues active for both American peppermint oil in tins and Jap mint oil. Menthol is easier. Citric acid is in good demand at an advance of ½d per lb. while tartaric acid is unchanged, but firm. Phenacetin, sulphonal and the salicylates, notably aspirin, are lower. In the heavy chemicals, barium chloride is tending lower and carbolic acid crystals are meeting with rather more enquiry at the late advance to 8d-8½d per lb. for 39°-40° C crystals in large packing.

### ENGLAND EXPORTED LESS LINSEED OIL

(*Special Correspondence to DRUG & CHEMICAL MARKETS*)

Hull, England, March 16.—Linseed oil exports for 1923 were 21,600 tons less than in 1922, owing in part to the United States tariff on vegetable oils. Gross imports of flaxseed for 1923 were 381,500 tons (2,240 lbs. to ton) compared with 358,849 tons in 1922. Soya bean imports amounted to 113,062 tons against 59,357 tons in 1922. Cottonseed imports were 543,565 tons compared with 483,923 tons in 1922. Castor seed imports 15,241 tons against 18,438 tons in 1922.

Use of boric acid, sulfur di-oxide, and salicylic acid in the preservation of food in Australia will be restricted when the present regulations come up for revision, according to the Australian correspondent of the "Chamber of Commerce Journal."

Import duty on lead chromate and certain oxides of lead into France may be increased and the duty on artificial fertilizers, including copper sulfate, may be abolished entirely, according to a proposal before the French Chamber.

	FOREIGN EXCHANGE	Par Current
Great Britain (pound sterling)	4.865	\$4.255
France (franc)	.193	.052
Italy (lira)	.193	.043
Germany (mark) per hundred	23.80	2.90
Czechoslovakia (crown) per hundred	20.30	
Poland (marks) per hundred	23.80	.00001
Japan (yen)	.499	.422
Holland (guilder)	.402	.370
Spain (peseta)	.193	
Belgium (franc)	.198	.041
Switzerland (franc)	.193	.173
Sweden (crown)	.268	.263
Denmark (crown)	.266	.156
Argentina (peso)	.424	.337
Brazil (milreis)	.324	.111
China (Silver dollar—Hongkong)	.789	.510
(Tael—Shanghai, silver)	1.082	.705
(Tael—Peking, silver)	1.156	.737

### FRENCH MARKET SHORT OF CHEMICALS

Strike in Norway Shuts Off Source of Sodium Nitrite—Good Demand for White Lead and Lithopone—Raw Materials for Glue Industry Scarce and Prices Higher  
(*Special Correspondence to DRUG & CHEMICAL MARKETS*)

Paris, March 15.—The market for industrial chemicals is active, and business is brisk for home trade and for export. The tanning industry is making heavy calls upon the French market and bichromates are on the upward move, hyposulfite of soda also rising several points as a result of large purchases. In the glass industry business is good, and all the chemical products used in this line of trade are in great demand. The paint trade is extremely busy, in view of the spring requirements, white lead being in great demand, while, in the East of France there is a good market for lithopone. In the dye and color industries the rise in foreign exchange is making itself felt to the advantage of French export trade. Nitrite of soda is unobtainable owing to the strike in Norway which prevents the arrival of azoted products.

For the last few months raw materials for the glue and gelatine industries have shown a constant rise, with the single exception of leather waste, which, as a consequence, has been largely employed. The price of glues has not, however, risen in sympathy with raw materials, both foreign competition and the refusal of consumers to accept increased prices having kept down quotations. It is doubtful, however, whether, in view of the general advance in all raw materials, the present prices for the finished article can be maintained. The demand, however, is very slack. There appears to be a notable shortage of bones for glue making, and bones have risen from 10 to 20 francs per 100 kilograms (220.46 pounds) according to quality. Horns have almost doubled in price, ox horn tips now standing at francs 330 to 360 per 100 kilograms. Rabbit skins, which are very largely used for glue making, show a rise of about francs 200 per 104 skins, and the question of prohibiting their export has been raised.

French Imports and Exports for 1923.

The French customs authorities have just published statistics covering French imports and exports for the year 1923. The imports and exports of chemicals have been divided into two tables, the first showing articles for which France depends very largely on foreign countries, and which could possibly be supplied from the American market, and the second showing chemicals

which France produces and of which she has an available supply for export:

Table 1.—Chemicals Largely Imported

Products	Imports Metric Tons	Exports Metric Tons
Nitric acid	1,532	1,106
Sulfate of ammonia	73,813	6,346
Borax, crude	7,511	135
Barium, chloride	2,757	833
Chromates and bichromates of potash and soda	3,662	10
Sulfate of copper	20,833	11,793
Carbonate of magnesia	1,770	25
Carbonate of lead	1,829	191
Zinc oxide	5,061	3,290
Lithopone	9,331	111
Acetone	931	22
Oleic acid	9,782	477
Strychnine	131	13

Table 2.—Chemicals Largely Exported

Arsenious acid	316	831
Sulfo-nitric acid	—	3,563
Calcium carbide	2,631	10,583
Sulfuric acid	13,550	21,095
Bisulfide of soda	—	1,690
Alumina anhydride	—	18,351
Hyposulfide of soda	—	2,011
Iron oxide	1,909	5,055
Sulfate of iron	685	2,448
Sulfate of potash	4	21,897
Chloride of potash	749	660,222
Sodium chloride	56,916	183,988
Caustic soda	177	30,438
Sulfate of soda	190	23,205
Glycerin	357	4,810
Wine lees, pure tartar	6,113	11,439
Quinine	—	34
Vegetable tanning extracts	1,195	46,306
Indigo	15	555

More than 2,390 metric tons of 2,204.6 pounds of wine lees, pure tartar, were exported to the United States during 1923. The potash exports are due to the Alsace potash deposits which were never exploited to their full capacity under the former German regime prior to the great war, while the shipments of indigo (synthetic) were principally made by the Compagnie Nationale de Matières Colorantes, which specializes very largely in this product.

#### Where France Buys and Sells

In the following table are given the quantities of chemicals imported into and exported from France, with the countries of origin and destination, for the year 1923:

	Imports Metric Tons	Exports Metric Tons
United States	14,115	64,138
Great Britain	65,362	75,688
Belgium	151,620	927,240
Germany	116,074	50,283
Italy	3,962	64,467
Algeria	—	54,868
Sarre Basin	48,597	43,723
Switzerland	18,414	127,597
Spain	6,185	37,685
Other Countries	112,852	200,591

Total ..... 537,181 1,646,280

Exports of chemicals from France to Belgium included 518,662 metric tons of chloride of potash, of which a great part was destined for other foreign coun-

tries, but which was shipped from Alsace via the Rhine to Antwerp, and consequently was included in the Belgian import figures. French exports of chemicals to the United States showed only 50,583 tons of chloride of potash, but America took a large portion of the shipments via Belgium. This discrepancy in the French export figures may be attributed to the Franco-Belgian agreement by which Antwerp has become a free transit port for imports and exports relating to the Alsace district.

#### NORWAY COD FISHING IMPROVES

Quality and Size of Cod Very Fine and Livers Very Rich in Oil—Output to Date

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Bergen, Norway, March 15.—The situation in Lofoten is rather poor, although some improvement has been felt during the last few days. The number of boats in the Lofoten district is less than in 1923. The quality and size of the cod is very fine this year, better than in 1923, livers very rich in oil. According to telegrams from Lofoten the cod is moving eastwards into the fjords, and improvement is therefore expected shortly.

Between Lofoten and Trondhjem the catch has been good, whereas the fisheries south of Trondhjem have been hampered by storms. According to report from the Inspector General, the total output of the cod fisheries of 1924 up to March 1 is as follows:

	Steam-refined Medicinal in 100 Litres	Liver for other Oils in 100 Litres
Finnmarken Winter Fisheries Jan. 31	1436	1804
Troms County until Lofoten March 1	365	24
Lofoten March 1	5026	215
Lofoten until Trondhjem March 1	5185	594
Trondhjem until Bergen March 1	2087	95
	14099	2732
in 1923 up to March 2	19159	4485

The market has been a little dull with a slight drop in prices. This fact, however, has not brought forth much oil on the market, and a scarcity still prevails.

The supply of the following oils is exhausted, and these qualities are therefore dropped from the Bergen Exchange quotation lists:

Bright Industrial,  
Brightbrown Medicinal, Lofots,  
Brightbrown Industrial,  
Tanners Brown Boiled.

Market prices in kroner follow:

Bergen: Feb. 26 Feb. 29 March 3

Steam-refined Medicinal

Crude Finmark 150— 145— 140— per 105 kilos

Crude Lofots 170— 165— 160— per 105 kilos

Non-freezing 170— 165— 160— per 100 kilos

Herring Oil

Brightbrown 100— — — per 100 kilos

Codliver Oil

Brightbrown — — 100— per 100 kilos

Kristiansund N.:

Steam-refined Medicinal

Crude 160—

Industrial

Brightbrown 70-75—

[MARCH 26, 1924]

### MAKERS TO STANDARDIZE STEEL BARREL AND ELIMINATE UNNECESSARY STYLES

Thirty-Eight Makers Meet With Users and the Division of Simplified Practice—Chemical, Drug, Paint, Ink Makers Represented—Find 60 Out of 75 Types Seldom Used—Should Mean Big Economies to Buyers

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 26.—Thirty-eight manufacturers of steel barrels met to-day with representatives of some two dozen national organizations using and distributing these containers, including chemical, drug, paint, ink, naval stores, and other consumers, for the purpose of standardization and simplification of sizes, at the Department of Commerce under the auspices of the Division of Simplified Practice. Reports indicated that over 75 kinds of drums and barrels, embodying eight basic types, are made today, but that the big part of the production is in about 15 kinds. Elimination of the seldom used varieties was urged as a means of economy and standardization. Out of 21 standard types of light shipping drums, two have had in three years, a production of a million more than nine other kinds. One I.C.C. standard drum has had a greater production than 14 others in this class.

Among the barrel makers represented were: Atlas Steel Barrel Co., Meurer Steel Barrel Co., National Enameling & Stamping Co., R. E. Chapin Manufacturing Co., Erie Steel Barrel Co., Manion Steel Barrel Co., Petroleum Iron Works, W. B. Scaife & Sons, Cleveland Steel Barrel Co., Draper Manufacturing Co., Hydraulic Pressed Steel Co., National Steel Barrel Co., Perfection Metal Container Co., Republic Metal Packaging Co., American Steel Package Co., Celina Manufacturing Co., Ohio Corrugating Co., Stevens Me-

tal Products Co., Columbian Steel Tank Co., Butler Manufacturing Co., St. Louis Steel Package Co., Wacken Steel Barrel Co., Detroit Range, Boiler & Steel Barrel Co., Welded Steel Barrel Co., Brown Sheet Iron & Steel Co., Western Steel Products Co., Wilson & Bennett Mfg. Co., Metal Barrel Corp., Nebraska & Iowa Steel Tank Co., Pressed Steel Tank Co., Hirsch Cooperage & Steel Package Co.

### CHEMICAL SUPPLIES WANTED

The United States Veterans' Bureau, Arlington Building, Washington, D. C., will receive bids until March 29, for a quantity of drugs, as per Circular 183. Also, for a similar quantity of drug materials, until April 2, as set forth in Circular 180.

The Domestic & Foreign Trade Department, Chicago Association of Commerce, 10 South LaSalle st., Chicago, has received an inquiry from a company at Los Angeles, Cal., in the market for refined zeolite.

The General Purchasing Officer, Panama Canal, Washington, D. C., will receive bids until April 7, for a quantity of material, including 5,000 pounds of concentrated lye; 300 gallons of rubbing varnish; 100 gallons of finishing varnish; 1,000 pounds of boronic copper alloy; 2,000 pounds of calcium chloride; 3,000 pounds of solder; 200,000 pounds of silica sand; 5,000 pounds of ferro-manganese; 500 pounds of ferro-titanium; 12,000 square feet of cork board; 500 gallons of japan, all as per Circular 1596. Also, until April 14, for a quantity of stearic acid, as called for in Circular 1598.

S. A. Smith & Co., Ltd., Albert and Durham sts., Auckland, New Zealand, are interested in purchasing drugs and related products.

1816

CHEMICALS

1924

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## Chemicals for Consuming Industries

Heavy Chemicals, page 956; Tan and Dyestuff, page 976; Fatty Oils, 975

### UNCERTAINTY PERVERADES SPOTTY MARKETS

**Chemical Prices Generally Firm, Owing to Resistance Against Dropping Under Current Low Levels—Goods Moving on Contract Mostly—Chiefly a Buyer's Market**

Spotty chemical markets, pervaded by uncertainty regarding the future, have been characterized by minor ups and downs in prices, and a major dullness this week. As a whole, industrial chemical prices are firm in spite of the lack of spot business. This is due primarily to the low levels at which values stand to-day, and not to an absence of selling pressure. Sellers are very keen for the limited spot business offering, but the competition with its pressure on prices, is not as strong as the resistance of most financially strong holders in refusing to drop under their minimum figures. Although the dock strike in Hamburg is over, and chemical shipments are being resumed, some two or three weeks will pass before the stiffness can be taken out of spot prices for most imported goods. In contrast to poor spot demand, movement on contracts is active and accounting for the bulk of business. In the last analysis, however, the market favors the buyer, and in spite of the firmness of prices, some factors are unquestionably making concessions to turn their stocks.

### Agricultural Chemicals

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acid Sulfuric, 66°....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$55.00	\$20.00
Ammonium Sulfate, 100 lbs.	2.90	2.90	2.90	3.50	7.75	2.65
Arsenic .....	lb. 11½	lb. 11½	lb. 11½	lb. 11½	lb. 18	lb. .04
Copper Sulfate.....100 lbs.	4.90	4.90	4.75	6.40	20.00	4.50
Paris Green .....	lb. .30	lb. .30	lb. .30	lb. .29	lb. .50	lb. .11
Potash Muriate, 80%....ton	34.55	34.55	34.55	35.55	47.00	39.57
Potash Sulfate, 90%....ton	45.85	45.85	45.85	45.67	44.00	48.07
Phosphate Rock, 65%....ton	2.25	2.25	2.25	3.00	11.00	3.00
Phosphate, Acid, 16%....ton	7.50	7.50	7.50	10.00	21.00	15.00
Sodium Nitrate ....100 lbs.	2.52	2.52	2.52	2.62	5.00	1.90
Average .....	11.488	11.488	11.473	12.218	103.54	13.484

The situation in fertilizers has shown little improvement during the week. On the contrary the market is even more unsettled owing to a further collapse in ammoniates. Southern buying is practically over, except for stray orders coming in now and then. The cold weather in the South has been delaying planting but farmers' requirements for the season have evidently been fulfilled since few additional orders are forthcoming. Buying for Northern consumption has also been disappointing and the trade feels that the demand must come quickly if at all. Declines in tankage, fish scrap, bone meal and cyanamide have been noted, while potash salts, sulfate of ammonia and sodium nitrate are unchanged. Insecticides are also in little demand at this season but with the arrival of warmer weather the demand is expected to develop. According to Government reports more calcium arsenate has been sold for this year than at any time since its use began. Since the first of the year, however, very little business has been done in this line.

#### Fertilizers

**Ammonium Sulfate**—The market continues to mark time and with the buying season quickly nearing its

end, little business can be looked forward to until next Fall. The buying attitude has been far from normal this year and the trade is at a loss for an explanation. Export demand will be small from now on so no relief is expected from this source. Prices show no change from previous quotations with bulk at works, \$2.90@\$3.00; single bags, works, \$3.15; export, f.a.s., \$2.85@\$2.95.

**Sodium Nitrate**—This market has been fair and prices are firmer than in most fertilizers. Contract deliveries have been proceeding regularly while new business has been spotty. Prices continue at latest levels of \$2.52½c @ \$2.55.

**Phosphates**—The lack of demand and the unsettled conditions in other branches of fertilizers are reflected in this market. While prices are quotable unchanged, shading is reported in some quarters. Florida pebble, 68%, \$2.25; 70%, \$2.50; 75-74%, \$3.75; Tennessee, 72%, \$5.50 ton.

**Acid Phosphate**—Routine buying is featuring the market with prices ranging from \$7.50@\$8.00 ton at works according to seller and quantity.

**Potash Salts**—There has been no change in the situation. The buying season is practically over and, except for occasional sales, little new business is expected until the next buying season begins. Base prices are quoted at Atlantic and Gulf ports as follows: Muriate, 80%, in bags, \$34.55 per ton; sulfate, 90% basis, \$45.85 ton; double manure salts, 48%, \$26.35; manure salts, 30%, \$16.03; manure salt, 20%, \$10.55; Kainite, 12.4%, \$7.22. Discounts of one to ten per cent according to quantity.

**Ammoniates**—With supplies accumulating and demand lacking, prices broke during the week in several products; Cyanamide is easier at \$2.10@\$2.20; dried blood, New York, \$3.50; fish scrap lower at \$4.50 & 10; acid scrap is scarce at \$3.25 & 10; steamed bone meal is lower at \$30.00@\$31.00 ton; tankage has sold down to \$2.75 & 10 ton, New York; Chicago, \$2.75 & 10.

**Sulfuric Acid**—Has not been going as well but supplies are moving out regularly on contract. Makers are quoting 66° in tanks at works, \$14.00@\$15.00 ton; 60°, \$9.00@\$10.00 ton in tanks.

**Sulfur**—Prices are holding steady at \$14.00@\$15.00 ton at mines and \$18.00@\$19.00 ton, New York. Pyrites 12c@13c unit at works.

#### Insecticides

**Copper Salts**—Current buying has slowed up but shipments on previously placed orders for copper sulfate are going out regularly to agricultural sections. Most sections have been covered and little new business is expected until repeat orders arrive. Domestic material in carlots quoted \$4.85@\$4.95 New York, and smaller lots up to \$5.15. Imported named 4¾c@5clb on spot and \$4.60 for shipment. Carbonate holding at 17clb for the small lots while quantities are slightly lower.

**Arsenicals**—The dullness and inactive buying which has featured the market since the first of the year is still in evidence. Little buying of arsenic is taking place but prices are holding from 11½c@12½clb as to seller and quantity. Calcium arsenate is quoted from 11¾c@13clb as to time of shipment. The cold weather

in the South is delaying planting and consequently the early arrival of the weevil. Lead arsenate is holding around 19c@20c in carlots and 21c@26clb in smaller lots. Paste quoted 11c@16clb. Paris Green in 500lb kegs, 30c@32clb and smaller quantities up to 39clb in 1lb packages.

**Miscellaneous**—Makers are holding formaldehyde at 11clb in carlots and 11½c@11½clb for smaller lots. Lead acetate holding firm at 15c@15½clb.; para-dichlorbenzene, 17c@22clb. corrosive sublimate, 87clb. in kegs and \$1.02 in 25lb boxes; nicotine sulfate, 40%, \$1.15@\$1.30lb. Bordeaux mixture quoted 12@16clb for powder and 8c@12clb for paste.

### Leather Chemicals

	Trend of the Market					
	Today	Week	Last	Month	Last	War
					Year	Peak
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.38	\$3.17@\$17.00	\$1.50
Acid, Formic, 90%	.13	.13	.13	.16	.15@.14	.07
Acid, Lactic, 22% dark	.05	.05	.04½	.04½	.04½	.02
Potassium Bichromate	.09½	.09½	.09½	.10	.65	.06½
Epsom Salt, tech.	1.80	1.80	1.80	1.85	8.75	1.00
Sodium Prussate, Imp.	.11	.11½	.11½	.18	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate	.07½	.07½	.07½	.07½	.45	.04½
Sodium Hyposulfite	2.75	2.75	2.75	3.00	3.75	1.80
Sodium Sulfide, 60% wks.	.08½	.08½	.08½	.08½	.10½	.02½
<b>Average</b>	<b>.981</b>	<b>.981</b>	<b>.981</b>	<b>1.009</b>	<b>3.267</b>	<b>.528</b>

Activity in the tanning industry has fallen off again and buying is at a minimum. While importations of tanning materials have been coming quite freely in spite of the restricted demand, they have had little effect upon the market. One exception is noted in sumac which has

been scarce for some time and for which prices have been steadily advancing. Importation of foreign chemicals has fallen off owing to a strike of dock workers in Hamburg. Shipment prices have been advancing abroad and in many cases are higher than present spot prices here. Domestic prices, on the whole are steady, though competition in a few products has forced lower prices.

**Acids**—Few changes have been noted in the general list of acids. Competition in oxalic acid has forced prices down to lower levels. Acetic is moving well with prices unchanged at former levels; 28 per cent, \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53. Lactic acid continues in active demand with makers quoting 22 per cent dark, 5c@5½clb.; light, 6c@6½clb.; 44 per cent, dark, 10½c@11clb.; light, 12½c@13clb.; 66 per cent, dark, 16½c@17clb. Muriatic, 20 degree, quoted \$1.30@\$1.80 according to quantity in carboys; 22 degree, \$1.75@\$2.00. Nitric, 36 degree, 4½c@5clb.; 38 degree, 5c@5½clb.; 40 degree, 5½c@6clb.; Oxalic acid is under competition and sales are reported below 10clb. in quantity. Quotations range from 10c@11clb. at works and 10½c@11clb. on spot. Imported, 10½c@10½clb. Sulfuric is steady with 66 degree in tanks, \$14.00@\$15.00 ton and in drums, \$1.10@\$1.25 per 100lbs.; carboys, \$1.35@\$1.75; Oleum in drums, \$1.25@\$1.50 and in tanks, \$17.00@\$18.00 ton.

**Alkalies**—Seasonal call for shipments on contracts business in alkalies is reported good while less than carlot quantities for immediate consumption is somewhat spotty. Deliveries are expected to increase steadily until the arrival of hot weather when consumption usually falls off. Makers' prices are unchanged with soda ash, 58 per cent light, in carlots on contract, \$1.25 in

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Analysis reveals the desirable qualities of Diphenyl-Guanidine. The Melting Point of C.P. is 147°, maximum 145°; Maximum ash content, .3%; Maximum moisture, .3%. It is insoluble in dilute Hydrochloride Acid to a maximum of .2%. Fineness, 100% through 100 mesh.

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bulk, \$1.38 in bags, and \$1.63 in barrels. Caustic soda, 76 per cent, solid, in carlots at works, \$3.10 and for flake \$3.50. Less than carlot business in ash, New York, \$2.04@\$2.19 as to quantity; Caustic soda, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

**Bichromates**—Current buying has dropped off while contract deliveries are not as good as they have been. Prices remain steady, however, with sodium bichromate, 7½c@7½clb. and potassium bichromate, 9½c@9½clb.

**Chemicals**—While changes have been few in the chemical list prices are generally steady. Imported chemicals are tending toward higher levels owing to smaller supplies on spot and the delayed shipments and higher prices abroad. Imported Epsom salt is scarce with technical nominal on spot and \$1.20 for shipment. Domestic, \$1.80@\$2.00; U.S.P., imported, \$2.25; domestic, \$2.10@\$2.50; Red arsenic is unchanged at 15c@15½clb.; formaldehyde is firm in makers' hands, 11c@11½clb.; potassium titanium oxalate is lower in some quarters and is obtainable at 25c@26clb. in 800lb. barrels and up to 30c for smaller lots. Sodium hyposulfite is unchanged with pea crystals, \$2.75@\$3.00; sal ammoniac is easier with imported at 65c@6½clb.; domestic steady 7½c@8clb.; sodium sulfide shows signs of greater firmness at times; solid quoted, 3½c@4clb.; broken, 4c@5clb.; crystals, 2½c@2½clb. corn syrup, 42 degree, \$3.56; imported sodium prussiate is easier at 11c@11½clb. and domestic 12clb.; ammonia alums, \$3.50@\$3.75; Glauber's salt, \$1.30@\$1.75, domestic and 95c@\$1.00 for imported.

**Extracts**—Consumption during the week has remained small with the market lacking the stimulus of an active demand. Continued scarcity of some products tends to keep prices on a firm basis, although shading is reported in some quarters. Business is being transacted at the following prices: Archil, 13c@16clb.; chestnut, 1¾c@2clb.; cutch, Rangoon, 15c@16clb., Borneo, 4¾c@5½clb.; gambier, 25% liquid, 10½c@12clb., cubes, 18c@19clb.; hematine, 11c@12clb.; hypernic, 15c@16clb.; logwood, 10½clb.; quebracho, 3c@3½clb.; quericitron, 6½c@7clb. and sumac, 7c@8clb.

**Oils**—Market during the past week has been exceedingly quiet with business limited to purchases in small lots. Buyers appear indisposed to purchase ahead in large quantities and are confining their interests to actual routine requirements. A gradual downward revision of prices has been noted. The following prices are in effect: cod oil, N.F., 65c@69c per gal.; refined menhaden, 62c@65c per gal. for light strained; yellow bleached, 65c@67c per gal.; degras, 4¾c@5½clb. for American and 5½clb. for English; castor oil, 15½c@16lb.; linseed oil, 90c@93c per gal. according to quantity; neat'sfoot oil is lower, 11½clb for extra, spot; red oil, 9c@9½clb for distilled.

## Paper Chemicals

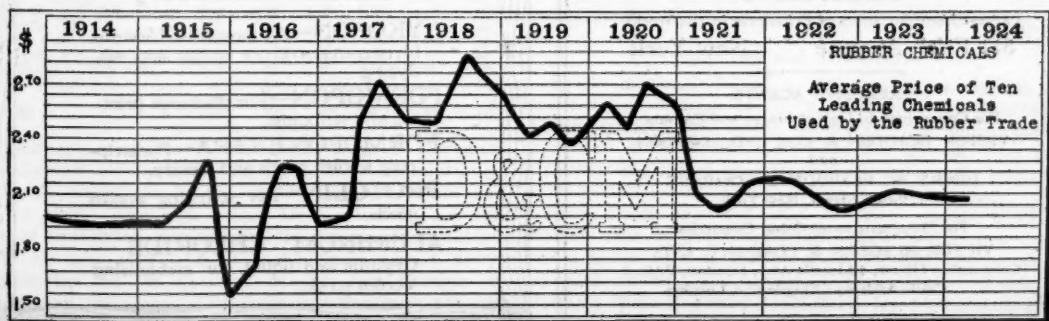
	Trend of the Market						Pre. War
	Today	Last Week	Last Month	Last Year	War Peak		
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50	
Bleaching Powder	1.90	1.90	1.75	2.00	0.50	1.50	
Casein	.10%	.10%	.12%	.25	.28	.20	
China Clay, Dom.	10.00	10.00	10.00	15.00	25.00	8.00	
Chlorine Cyl.	.05%	.05%	.05	.05%	.30	.08	
Salt Cake	20.00	20.00	21.00	25.00	80.00	11.00	
Sodium Silicate, 40°	.80	.80	.80	.95	1.75	2.00	
Soda Ash	1.38	1.38	1.38	1.45	4.10	.69	
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00	
Rosin F grade	5.70	5.70	5.80	6.15	4.50	20.25	
Average		6.015	6.015	7.235	13.30	5.50	

Paper chemicals have been moving in better volume though little is new in the way of price changes. Makers have been holding prices steady while consumption of chemicals continued routine. Bleaching powder and liquid chlorine are being maintained at the recent advance and are apparently firm at the new levels. The importations of foreign pulp continue large and this fact has been affecting the production of domestic pulp and consequently the consumption of chemicals. Demand for rosin is apparently improving but with the approach of the new crop, prices are uncertain though sellers are trying to maintain higher prices. Importations of casein were fairly large last week. The trade is awaiting developments in the casein investigation by the Tariff Commission.

**Alkalies**—Seasonal call for shipments on contracts business in alkalies is reported good while less than carlot quantities for immediate consumption is somewhat spotty. Deliveries are expected to increase steadily until the arrival of hot weather when consumption usually falls off. Makers' prices are unchanged with soda ash, 58 per cent light, in carlots on contract, \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels. Caustic soda, 76 per cent, solid, in carlots at works, \$3.10 and for flake \$3.50. Less than carlot business in ash, New York, \$2.04@\$2.19 as to quantity; Caustic soda, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

**Bleaches**—Makers are holding prices firm at the recent advance. Consumption has been increasing steadily and the immediate future has a better outlook. A few short term contracts are expected to be renewed at the close of the first quarter. Contract and spot business in bleaching powder at works quoted \$1.90 in carlots of large drums and \$2.15 in small drums. Less than carlots are named 15c higher. Liquid chlorine in tanks at works, 4½clb on contract; cylinders in carlots, 5½clb; ton lots to carlots, 6½clb; and less than ton lots, 7½clb.

**Chemicals**—Buying has been showing a gradual im-



provement while prices are practically unchanged at former quotations. Makers quote aluminum sulfate, iron-free, \$2.25@\$2.40 as to quantity and commercial, \$1.30@\$1.35. Salt cake is holding around \$20.00@\$22.00 ton. Sodium silicate in tanks at works, 75c per 100lbs and in drums, 80c@85c; 60° quoted \$1.75@\$2.00. Dry sodium bisulfite steady, 4c@4½clb. and solution, \$1.25 @\$1.75. Sulfur named \$14.00@\$15.00 ton at mines and \$18.00@\$19.00 ton, New York. Lime, \$12.00@\$14.00 ton.

**Fillers**—Little change is noted with deliveries on contract steady and prices unchanged for new business. Blanc fixe quoted \$75.00@\$80.00 ton at works for the dry and \$55.00 ton for pulp. China clay is steady with crude quoted \$6.00@\$8.00 ton; washed and ground, \$7.50 ton; filler clay, \$13.00@\$16.00 ton; coating clay, \$25.00 ton and up. Domestic talc quoted \$13.00@\$15.00 ton in carlots on contract and \$14.00@\$18.00 ton in carlots at the mines.

**Sizings**—Casein prices are firm at previous quotations with the range from 10½c@11½clb according to seller and quantity. Buying is fairly good though not up to normal activity. Imports at New York last week included 3,249 bags of casein. Rosin prices are unchanged with a lower tendency as new crop arrivals increase. Quotations: B, \$5.65; D to I, \$5.70; K, \$5.75; M, \$5.80; N, \$6.00; WG, \$6.95; WW, \$7.00.

The Van Buren, Me. pulp mill of the International Paper Company has shut down indefinitely, owing to lack of demand for pulp. It produced sixty tons a day and nearly 300 men were employed. Either the mill will be dismantled or paper machines will be installed to use the pulp here.

## Rubber Chemicals

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Antimony Sulfide Crim...	\$39	\$39	\$39	\$38	\$45	\$35
Carbon Bisulfide	.06	.06	.06	.06	.50	.10
Carbon Black	.11	.11	.11	.15	.30	.14
China Clay, Imp...	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span.	.03½	.03½	.03½	.04	.04½	.05
Lithopone	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer.	.07½	.07½	.07½	.07	.09½	.09
<b>Average</b>	<b>3.462</b>	<b>3.462</b>	<b>3.462</b>	<b>3.820</b>	<b>5.931</b>	..

Carbon black continues to show the most activity in the rubber chemical market with accelerators running a close second. Sellers report a general easing off in buying, compared with the week previous. Most of the passing business is coming from the mechanical goods manufacturers, who will come into the market in the near future for some fair sized quantities, judging from the size of their inquiries. The general effect of the unfavorable reports of rubber companies which were issued some time ago coupled with the sharp decline in crude rubber, tend toward an uncertain market for rubber chemicals. However, all of the recent advances are holding in spite of the slow demand. White barytes is in active demand, although the quantities asked for are small. Sulfur is in routine demand only.

**Acid**—Acetic is unchanged although little more inquiry has been noted during the past week. Twenty-eight per cent, \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; and glacial, \$12.78@\$13.53.

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Yellow Prussiate of Soda  
Yellow Prussiate of Potash

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**ALUMINUM CHLORIDE**—  
Crystals and liquid, for carbonizing  
woolen stock.

**Accelerators**—Makers report active business, especially for hexamethylene and diphenylguanidine. Aniline oil is steady and price is 17c@18clb. spot, and 16c@17c lb. works. Diphenylguanidine firm at \$1.05@\$1.15lb. spot as to seller and quantity. Hexamethylene is named at 82½c@85clb. as to quantity. Raw material firm. Litharge is unchanged and price is \$11.50cwt. Quinoidine is being absorbed in small lots at 55clb. spot in drums.

**Colors and Compounding Materials**—Carbon black is in active demand with reports that the air floated is sold up for some months to come. Ordinary at 11c@13½clb. spot in 1c/c in cases; air floated, 13c@15½c lb.; and compressed, 11c@13½clb. Aluminum flake is quiet and price is \$23.00@\$27.00 ton works. Antimony is in keen competition for available business at 19c@24clb. spot for golden, and 39c@50clb. for crimson. Asbestine is quiet at \$18@\$20ton works. Blanc fixe is unchanged and price is 4c@4½clb f.o.b. New York. China clay shows steady demand and holders quote \$18@\$20ton for imported, and \$13@\$18ton for domestic. Iron oxide holds little interest for buyers at 3½c@7½c lb. spot for Spanish, and 12c@16clb. for English. Lithopone in steady demand at 6½c@7½clb. spot. Magnesium carbonate shows better inquiry at 8½c@8½clb. spot, and heavy calcined at 5½c@6clb. Talc is steady with makers holding at \$16@\$18ton works and \$28@\$30ton ex-warehouse for domestic; French, \$40@\$45; and Italian, \$47@\$65 ton. White barytes is steady and unchanged at \$24@\$26 ton, St. Louis, and imported price is \$29@\$34 ton as to quality and and quantity. Whiting in better demand at \$18@\$22 ton spot for imported, and \$13@\$15 ton for domestic. Zinc oxide is strong and price is 8½lb. spot for 25 barrel lots.

**Mineral Rubber**—Demand slow and supplies ample at \$35@\$50 ton for 300/315' quality.

**Solvents**—C. P. acetone is easy with price named at 17c@18clb. works in c.l. Methyl acetone, \$1.05@\$1.10gal. Acetone oils, \$1.25@\$1.30gal. Benzene is firm and higher prices are likely owing to the recent advance in the crude oil in the West. Ninety per cent, 23c@25cgal. works in tanks, and 28c@30cgal. in drums. Pure at 24c@26cgal. in tanks, and 29c@33cgal. in drums. Carbon bisulfide in better demand at 6c@6½clb. spot.

**Sulfur**—Supplies ample for present requirements at \$3.05@\$3.30cwt.; superfine, \$2.50@\$2.90; and 5c@6clb, for yellow chloride and 6c@7clb. for red material.

### Textile Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17	\$17.00	\$1.50
Acid Oxalic	10½%	10½%	.11	12½%	.70	.07½
Bleaching Powder	1.90	1.90	1.75	2.00	9.50	1.50
Copper Sulfate	5.00	5.00	4.65	6.40	20.00	4.50
Epsom Salt, U.S.P.	2.10	2.10	2.10	2.25	4.25	1.50
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp.	.06½	.06½	.06½	.08	.87	.12
Soda Ash, 58% wks.	1.85	1.85	1.85	1.45	4.10	.69
Soda Caustic, 76% wks.	3.10	3.10	8.10	3.16½	9.50	1.80
Sodium Bichromate	.07½	.07½	.07½	.07½	.45	.04½
<b>Average</b>	<b>1.843</b>	<b>1.828</b>	<b>1.787</b>	<b>1.905</b>	<b>4.800</b>	<b>1.42</b>

Consumption of textile chemicals is at a minimum and the outlook for better buying is far from encouraging with conditions in the textile industry in an unsettled state. The high prices for raw cotton and the lack of consuming demand for textiles has kept cotton mills on part time and in many cases closed down completely. In the chemical market few changes of importance are noted. Domestic manufacturers are, on the whole, steady in their prices except in metal salts

which are influenced by the fluctuations of the metals. Competition in a few products among a few manufacturers has resulted in a downward revision of prices.

**Acids**—Few changes have been noted in the general list of acids. Competition in oxalic acid has forced prices down to lower levels. Acetic is moving well with prices unchanged at former levels; 28 per cent, \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53. Lactic acid continues in active demand with makers quoting 22 per cent dark, 5c@5½clb.; light, 6c@6½clb.; 44 per cent, dark, 10½c@11clb.; light, 12½c@13clb.; 66 per cent, dark, 16½c@17clb.

**Alkalies**—Seasonal call for shipments on contracts business in alkalies is reported good while less than carlot quantities for immediate consumption is somewhat spotty. Deliveries are expected to increase steadily until the arrival of hot weather when consumption usually falls off. Makers' prices are unchanged with soda ash, 58 per cent light, in carlots on contract, \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels. Caustic soda, 76 per cent, solid, in carlots at works, \$3.10 and for flake \$3.50. Less than carlot business in ash, New York, \$2.04@\$2.19 as to quantity; Caustic soda, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

**Bleaches**—Makers are holding prices firm at the recent advance. Consumption has been increasing steadily and the immediate future has a better outlook. A few short term contracts are expected to be renewed at the close of the first quarter. Contract and spot business in bleaching powder at works quoted \$1.90 in carlots of large drums and \$2.15 in small drums. Less than carlots are named 15c higher. Liquid chlorine in tanks at works, 4½clb. on contract; cylinders in carlots; 5½c lb.; ton lots to carlots, 6½clb.; and less than ton lots, 7½clb.

**Chemicals**—Glauber's salt is moving in a quiet way with prices holding at \$1.30@\$1.75 as to seller and quantity. Imported quoted 95c@\$1.00; Imported Epsom salt is in small supply and prices have advanced to \$2.25 for U.S.P. while no technical is available; domestic technical, \$1.80@\$2.00 and U.S.P., \$2.10@\$2.50; copper sulfate is quiet for industrial purposes with makers quoting \$5.00@\$5.10; imported caustic potash is slightly easier at 6½clb. and in some cases 6½clb. Carbon tetrachloride is unsettled with makers quoting 8c@9clb; copperas at \$20.00 ton in barrels; barium chloride is stronger with makers quoting higher prices and little imported material around; prices range from \$85.00@\$90.00 ton. Imported sodium prussiate is easier around 11clb.; domestic 12clb. Sodium acetate is easier at 5c@5½clb.; potassium permanganate is steadier at 14c@15c lb for domestic and 14c@17clb for imported; potassium prussiate quiet at 19c@20clb. for yellow and 4½c for red; sodium sulfide is unchanged with solid, 3½c@4clb; broken, 4c@5clb; and crystals, 2½c@2½clb. Tin salts are holding at the established prices for March; crystals, 39c@39½clb; bichloride, 15½clb; tetrachloride, 32clb.

#### Starches and Dextrines

Prices unchanged and actual buying is limited, a more active interest has been manifested by increased inquiries from the textile industry. An improvement has been expected for some time but, like in other industries, has failed to materialize. It is now believed that a betterment of conditions is forthcoming. Alabumen prices are firm with technical quoted \$1.25lb. British gum is quoted at \$4.09@\$4.24; white corn dextrine, \$3.74; yellow, \$3.79; potato, 7½c@8clb.; powdered corn starch, \$3.27; pearl, \$3.17; potato, 5½c@6clb. Tapioca flour is priced 7½c@8clb. for high grade and 4c@4½clb. for lower grade.

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—.833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	—.264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	—.454	Kilograms
1 Kilogram	—2.20	Pounds

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## Chemicals

ACETANILID, tech. 150 lb bbls. lb	.27	.28	Acid, Carbolic—(continued)	
100 lb kgs. ....	.25	.30	Crude, 25% 50 gal. bbls. gal	.35 : .36
USP 200 lb bbls. ....	.30	.32	10% 50 gal. bbls. .... gal	.30 : .32
Second Hands ....	.30	.31	Carbonic, see Carbon Dioxide	
Acetic Anhydride, 85% 480 lb drs. lb	...	.38	Chloracetic,	
85% 107 lb chys. ....	...	.38	mono 100 lb bbls. wks. .... lb	... : .30
92-95% 100 lb chys. ....	.43	.45	14. 150 lb chys. wks. .... lb	... : 1.00
Acetone, CP 700 lb drs. c/l wks. ....	...	.17	Tri. 425 lb bbls. wks. .... lb	... : 2.45
700 lb drs. c/l wks. ....	...	.17%	Chlorosulfonic, 1500 lb drs.	
350 lb drs. c/l wks. ....	...	.18	wks. .... lb	.15 : .18
Second Hands, spot. ....	...		Chromic, USP 200 lb drams. .... lb	... : .40
Tetone Oils, light, drs. wks. .... gal	1.35	1.40	85% Pure, 200 lb drams. .... lb	... : .35
Heavy, drs. wks. .... gal	1.25	1.30	Chromotropic, 300 lb bbls. .... lb	... : 1.35
Acetophenetidin, 150 lb bbls. .... lb	1.35	1.90	Charyophyllic, see Charyophyllin	
Acetyl Chloride, 100 lb chys. ....	.40	.41	Cinnamic, 5 lb cans. .... lb	... : 3.93
ACID, 1, 2, 4, 250 lb bbls. .... lb	...	1.80	CITRIC, USP cryst. 230 lb bbls. .... lb	... : .48
Acetic, 28%, 400 lb bbls. c/l wks. ....	...		Powd., USP, 200 lb bbls. .... lb	... : .49
28%, 100 lb bbls. ....	...	3.38	Imported, crys. 112 lb kegs. .... lb	.47½ : .48
56% c/l wks. ....	...	3.63	Single logo. .... lb	.48 : .49
56% c/l wks. ....	...	6.75	Cleve, 250 lb bbls. .... lb	1.00 : 1.10
70% bbls. c/l wks. ....	...	7.00	Cresylic, 98% dark dr. chys. .... gal	.65 : .70
70% bbls. c/l wks. ....	...	8.38	97-99% straw, drs. wks. .... gal	... : .70
80% coml. bbls. c/l wks. ....	...	8.63	97-99% pale, drs. NY. .... gal	.70 : .75
80% coml. bbls. c/l wks. ....	...	9.58	Crude, spot, drams. .... gal	.60 : .65
80% pure bbls. c/l wks. ....	...	9.83	Diethylbarbituric, 10 lb lots. .... lb	
80% pure bbls. c/l wks. ....	...	11.41	1 lb bot. .... lb	8.50 : 10.50
80% pure c/l wks. ....	...	11.60	Formic 85% tech. 140 lb chys. .... lb	.13 : .13½
Glacial, bbls. c/l wks. ....	...	12.78	90%, 80 lb chys. ind. .... lb	.13½ : .14
Glacial, c/l wks. ....	...	13.03	Gallic, USP, 150 lb bbls. .... lb	... : .70
Glacial USP chys. ....	...	13.53	Gamma, 225 lb bbls. wks. .... lb	1.40 : 1.50
Acetyl Salicylic, 220 lb bbls. .... lb	.75	.85	Glycerocephosphoric, 25% 1 lb b. b. .... lb	1.85 : 1.95
Second Hands ....	.70	.71	H 225 lb bbls. .... lb	.75 : .80
Anthranilic, tech. drs. .... lb	...	.94	Bbls. ton 100 wks. .... lb	.72 : .75
99-100%, 100 lb drs. .... lb	...	1.00	Hydrofluoric, 10% USP 5 lb bot. .... lb	... : .75
Benzolic, tech. 100 lb bbls. .... lb	...	.75	Hydrofluoric, 48% emul. 155 lb chys. .... lb	.85 : .40
Tech. ton lots bbls. .... lb	...	.70	48% coml. 10 chys. wks. .... lb	... : .40
USP, 100 lb bbls. .... lb	.75	.85	40% USP 155 lb chys. wks. .... lb	.45 : .46
Second Hands ....	.72	.77	10% USP 100 lb chys. wks. .... lb	.11 : .12
Boric, cry. powd. 250 lb bbls. .... lb	...	1.22%	Hydrochloric, see also Acid Muriatic	
Kegs, 100 lb ....	...	1.23%	CP, USP, 110 lb chys. .... lb	.08 : .11
Bromo's, 250 lb bbls. .... lb	...	1.15	HYDROFLUORIC, 80% 400 lb bbls. .... lb	
Butyric, 60% pure 5 lb bot. .... lb	.40	.50	30% bbls. c/l wks. .... lb	... : .07
C.P. 10 lb bot. .... lb	1.25	1.50	30% 100 lb chys. wks. .... lb	... : .07
Carbolic, USP, VIII 1 lb bot. .... lb	5.90	6.00	48% single 100 lb chys. wks. .... lb	... : .11
Carbolic, USP, VIII also Phenol			48% 10 chys. wks. .... lb	... : .10
12 lb tins. .... lb	.31	.34	52% 100 lb chys. wks. .... lb	... : .14
20 lb tins. .... lb	.33	.36	52% 10 chys. wks. .... lb	... : .11
5 lb tins or bot. .... lb	.36	.39		
1 lb bot. .... lb	.40	.43		
Liquid USP, 1 lb bot. .... lb	.39	.42		

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## Chemicals

ACID, NITRIC, 86° 185lb	
le/l chys, wks.....100lb	4.75 : 5.25
Chys, c/l wks.....100lb	4.50 : 4.75
35° le/l chys, wks.....100lb	5.25 : 5.75
Chys, c/l wks.....100lb	5.00 : 5.25
40° le/l chys, wks.....100lb	5.75 : 6.00
Chys, c/l wks.....100lb	5.50 : 5.75
42° le/l chys, wks.....100lb	6.25 : 6.75
Chys, c/l wks.....100lb	6.00 : 6.25
C. P. chys, single wks.....100lb	.13 : .16
Oxalic, 325lb bbls, wks.....lb	.10 : .11
Bbls, NY.....lb	.10½ : .10½
Imp., 560lb cases.....lb	.10½ : .11
Kegs, 100lb NY.....lb	.11 : .11½
Phosphoric, 50% tech, 100lb	
chys.....lb	.07½ : .08
USP, Syrup 85°, 70lb.	
dems.....lb	.12 : .18
Imported.....lb	... : .12½
Phthalic, see Phthalic Anhydride	
Ceramic, 300lb bbls.....lb	... : .65
Merle, 450lb bbls.....lb	... : .30
Bbls, car lots wks.....lb	.30 : .35
Pyrogallic, crys, 5lb cans.....lb	1.20 : 1.30
Resinified, 5lb cans.....lb	1.55 : 1.65
Tech. powd, 200lb bbls.....lb	... : .85
Salicylic, tech, 125lb bbls.....lb	.33 : .34
USP, 100lb bbls.....lb	... : .35
Second Hand.....lb	... : .34
Sulfanilic, 250lb bbls.....lb	.16 : .20
SULFURIC, 86° 180lb chys	
le/l wks.....100lb	1.85 : 1.75
Chys, c/l wks.....100lb	... : 1.35
1500lb Drums, le/l	
wks.....100lb	... : 1.25
Drums, c/l wks.....100lb	... : 1.10
Tanks cans, wks.....net ton 14.00	: 15.00
60° 1500lb Drums	
le/l wks.....100lb	.75 : 1.00
Drums, c/l wks.....100lb	.65 : .75
Tank cans, wks.....net ton	9.00 : 10.00
C. P. 175lb chys.....100lb	.08 : .09

Acid Sulfuric	
Oleum, 20 p.c. 1500lb drums,	
le/l wks.....100lb	1.50 : 1.75
Drums, c/l wks.....100lb	1.25 : 1.50
Tank cans, wks.....net ton	17.00 : 18.00
Contract cans, wks.....ton	...
Oleum, 40% drs le/l wks net ton	... : 40.00
Oleum, 60% drs, le/l wks, net	
ton 60.00 : 70.00	
Sulfurous, USP 6% 100lb chys	lb .05 : .06
4% 100lb chys.....lb	.04 : .05
USP, 5 gal. demis.....lb	.06 : .08
Tannic, tech, 300lb bbls.....lb	... : .35
USP, powd, 200lb bbls.....lb	.80 : .83
USP, tuffy, 50lb bbls.....lb	.80 : .83
Tartaric USP cryst 300lb bbls	lb ... : .50
USP, powd, 300lb bbls.....lb	... : .50
Imp. USP, 240lb bbls.....lb	.27½ : .28
Powd, 240lb bbls.....lb	.28 : .28½
Tobias, 250lb bbls.....lb	.90 : .95
Tungstic, 100lb kgs.....lb	... : 1.00
Valerie, C.P., 10lb bot.....lb	2.50 : 2.75
Acetone, Alk. cryst 1 oz. vls. ex	... : 30.00
Amorphous, 1 oz. vls. ex	... : 20.00
Adeps Lanze, hydros 350lb bbls	lb .21 : .23
Anhydrous, 350lb bbls.....lb	.23 : .24
Albumen, Egg, edible.....lb	... : 1.25
Technical, see Dyers Sundries	
ALCOHOL, USP 190 pf. 50 gal.	
bbls, .....lb	4.82 : 4.91
Second Hand, bbls, USP 190	
pf. .....lb	... : ...
Export, USP, 190 pf.....lb	.48 : .58
Cologne Spirit, 50 gal bbls	4.90 : 5.00
WINE, see Methanol	
Alcohol, also in 50 gal	
drums, extra and returnable.	
Amyl, see GU Fused	
Butyl, 50 gal. drums.....lb	.35 : .40
Isobutyl, crude 50 gal. drums	gal ... : ...
Refined, 10lb can.....lb	2.00 : 2.50

ALCOHOL—(continued)	
Isopropyl, crude 50 gal. drs. gal	... : 2.25
Refined, 50 gal. drs.....gal	4.00 : 4.50
Ref'd, 91% drs.....gal	... : 3.50
Methyl, see Alcohol, Wood	
Propyl, nml. erd. 50 gal. drms. gal	... : 4.40
Refined, 16lb cans.....lb	... : .75
Denatured	
No. 1 Complete Denat. 188 Proof	
50 gal. bbls, incl.....gal	.56 : .58
50 gal. drums, extra.....gal	.51 : .53
No. 1 Special Denat. 190 Proof	
50 gal. bbls, incl.....gal	.54 : .56
50 gal. drums, extra.....gal	.48 : .50
No. 5 Complete Denat. 188 Proof	
50 gal. bbls, incl.....gal	.53 : .55
50 gal. drums, extra.....gal	.47 : .49
No. 6 Complete Denat. 188 Proof	
50 gal. bbls, incl.....gal	.53 : .55
50 gal. drums, extra.....gal	.46 : .48
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.	
Aloin, USP 100lb cases.....lb	.83 : .93
Iph-Naphthol, crude 300lb bbls	lb ... : .65
Refined, 300lb bbls.....lb	... : .73
Alpha-Naphthylamine, 350lb bbls	lb .31 : .37
Ton lots, bbls, wks.....lb	... : .38

# General Chemicals

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Epsom Salt  
Hydrochloric Acid  
Mixed Acids  
Nitric Acid

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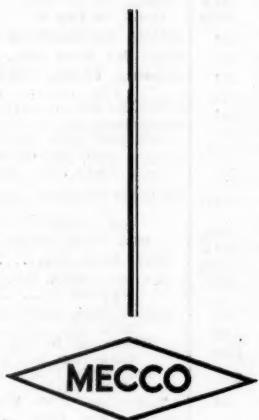
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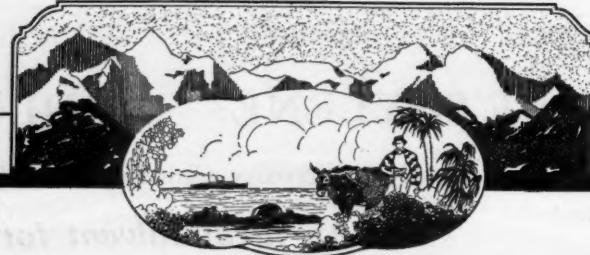
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These chemicals were developed and are made by us. Consult our Research Department about them.

## Chemicals

ALUM, Ammonia, lump 400 lb bbls. wks. .... 100 lb	3.50 : 3.65	AMMONIA anhyd. 100 lb cyl.... lb	... : .80	AMMONIUM—(Continued)	
Imp., 500 lb cases.... 100 lb	... : ...	Water, 25° 800 lb drs. wks.... lb	... : .08%	Per sulfate, 112 lb cases.... lb	.35 : .40
Ground, 400 lb bbls. wks. 100 lb	3.65 : 6.75	Drs. c/l wks. .... lb	... : .08%	Per sulfate, 112 lb cases.... lb	.50 : .50
Powd. 380 lb bbls. wks. 100 lb	3.90 : 4.00	C.P. chys. .... lb	... : .14	Phosphate, dibasic 200 lb bbls. lb	... : .38
Chrome 500 lb chys. wks. 100 lb	5.50 : 6.00	Imp. 800 lb drs. incl. spot. lb	.06% : .07	Tech., powd. 325 lb bbls.... lb	... : .18
Potash, lump 400 lb bbls. wks. .... 100 lb	... : 4.50	25° 100 lb chys. le/l wks. lb	.07% : .08%	Salicylate, USP 100 lb kegs.... lb	... : .80
Bbls. c/l wks. .... 100 lb	... : 4.25	Chys. c/l wks. .... lb	.07% : .08%	Sulfate, bulk c/l wks.... 100 lb	... : 3.00
Cont. bbls. c/l wks. 100 lb	... : 4.25	20°, 300 lb drs. le/l wks. lb	... : .05%	200 lb single bgs. c/l wks. 100 lb	... : 3.15
Imp. 650 lb cases a.p. 100 lb	... : 3.00	Chys. le/l wks. .... lb	.06% : .07%	Sulfocyanide, tech. 100 lb kegs. lb	.50 : .60
Ground, 400 lb bbls. wks. 100 lb	4.35 : 4.80	18°, 800 lb drs. le/l wks. lb	... : .04%	C.P. 25 lb jars.... lb	.60 : .70
Imp. 650 lb cases. 100 lb	... : 3.50	Chys. le/l wks. .... lb	... : .05%	Amyl Acetate, tech. 50 gal. drsgal. gal	3.50 : 3.75
Powd. 380 lb bbls. wks. 100 lb	4.50 : 4.75	16°, 800 lb drs. le/l wks. lb	... : .04%	Refined, 50 gal. drums.... gal	4.00 : 4.25
Chrome, 700 lb chys. 100 lb	5.50 : 6.00	Chys. le/l wks. .... lb	... : .05%	Alcohol, see Fuel Oil	
Soda, grd. 400 lb bbls. wks. 100 lb	... : 4.00	Ammonium Acetate, 100 lb kegs. lb	... : .37	ANILINE OIL, 900 lb dr. .... lb	.16 : .17
Bbls. c/l wks. .... 100 lb	... : 3.50	Benzoate, U.S.P. 1 lb bot.... lb	.90 : .95	Aniline Salt 200 lb bbls.... lb	.21 : .23
Aluminum, metal, c/l NY. 100 lb	27.50 : 28.00	Bifluoride, 300 lb bbls.... lb	.22 : .23	Anthracene, 80-85%, 600 lb cases wks. .... lb	.75 : 1.00
Chloride, anhyd. 275 lb drs. lb	.20 : .22	100 lb kegs. .... lb	.38 : .34	28-30%, Imp. .... lb	.05 : .05
Crystals, 375 lb bbls. .... lb	... : .06%	Bromide, 50 lb boxes.... lb	.38 : .37	Anthraquinone, subl. 125 lb bbls. lb	1.15 : 1.25
30% sol. 120 lb chys. .... lb	.08% : .04	Imported, 112 lb boxes.... lb	.18 : .20	30% 350 lb bbls.... lb	... : ...
Hydrate 98% light 90 lb bbls. lb	.17% : .18%	Carb. tech. 560 lb cases.... lb	... : .08%	Antimony metal, slabs too lots 100 lb	11.75 : 12.00
Heavy, 82-84%, 220 lb bgs. .... lb	.08 : .08%	Powd. tech. 385 lb bbls. lb	... : .09	Needle Powd., 160 lb cases... lb	... : .08%
400 lb bbls. wks. .... lb	.08% : .07	USP, lump, 100 lb kegs.... lb	.12 : .13	ANTIMONY CHLORIDE, anhyd 1000 lb dr. .... lb	.35 : .35
SULFATE, Iron-free bags c/l wks. .... 100 lb	2.25 : 2.40	Powd., 100 lb kegs.... lb	... : .14%	50 lb crocks.... lb	.45 : .48
Imported, spot .... 100 lb	2.20 : 2.50	Chloride, Domestic Bbls. c/l wks. .... lb	... : .07%	Sof'n. 130 lb carboys.... lb	... : .11
Comm'l. 14% iron, bgs. c/l wks. .... East 100 lb	... : 1.35	Bbls. c/l wks. .... lb	... : .07%	Oxide, 500 lb bbls.... lb	.08% : .09
Cont. bgs. c/l wks. E. 100 lb	1.30 : 1.35	Gray 250 lb bbls. wks. .... lb	.08% : .08%	Salt, dom. 500 lb bbls.... lb	.24 : .25
Bags, c/l wks. W. 100 lb	... : 1.30	Bbls. c/l wks. .... lb	.08 : .08%	Imp. NY. .... lb	.19 : .20
Bbls. c/l wks. East. 100 lb	... : 1.50	Imp. wh. 600 lb cases spot. lb	... : .06%	Sulfate, golden 500 lb bbls.... lb	... : .21
Bulk, c/l cont. wks. E. 100 lb	... : ...	Gray 600 lb cases spot. lb	.07% : .08	336 lb kegs.... lb	... : .19
Amidol, (see Diaminophenol)		Lump, 500 lb cases spot. lb	.14 : .15	Crimson, 500 lb bbls.... lb	... : .38
Antidopyrine, Imp. 10 lb boxes.... lb	4.35 : 4.50	Ichthyolate, as to brand.... lb	4.25 : 5.00	336 lb kegs.... lb	... : .36
Domestic, 10 lb boxes.... lb	... : 4.60	Iodide, USP, 25 lb jars.... lb	... : 5.20	Red, 500 lb bbls.... lb	... : .45
Aminobenzenes, 110 lb kegs.... lb	... : 1.15	Lactate, 500 lb bbls.... lb	.15 : .16	336 lb kegs.... lb	... : .42
		Nitrate, tech. crys. 225 lb bbls. lb	... : ...	Tartrate, 500 lb bbls.... lb	... : .45
		Refined Crystals, bbls.... lb	.21 : .23	Antipyrine, USP, 100 lb cases... lb	2.15 : 2.25
		CP gran. 100 lb kegs.... lb	.35 : .37	Apomorphine Hydrochloride, 1/4 oz. vial. oz	... : 21.15
		OXALATE, pure, 100 lb kegs.... lb	.40 : .42	Arecoline Hydrobromide, 1 oz. vial. oz	6.50 : 8.07
				Angols, red powd. 350 lb bbls... lb	.08% : .07



## CHLORIDE OF LIME

Epsom Salts

Glauber Salts

Caustic Potash

Sal Ammoniac

Peroxide of Sodium

Carbonate of Potash

Carbon Tetrachloride

Peroxide of Hydrogen

Nitrite of Soda

Sulfite of Soda

Prussiate of Soda

Bichromate of Soda

Hypsulfite of Soda

Bisulfite of Soda

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Arecoline Hydrobromide  
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Brucine and Salts  
Caffeine and Salts  
Cocaine and Salts  
Codeine and Salts  
Colchicine Alkaloid, U. S. P.  
Colchicine Salicylate  
Creosote, U. S. P.  
Creosote Carbonate

Cumarin  
Diacetylmorphine  
Alkaloid and Hydrochloride  
Digitalin Pure  
Duboisine Sulphate  
Emetine and Salts  
Eserine and Salts  
Guaiacol Liquid  
Guaiacol Carbonate  
Homatropine and Salts  
Hydrastine and Salts  
Hydrastinine Hydrochloride  
Hyoscine Hydrobromide  
Hyoscyamine and Salts  
Morphine and Salts  
Phenolphthalein

Pilocarpine and Salts  
Potassium Guaiacol  
Sulphonate "Alta" Brand  
Salicin  
Saponin Purified  
Scarlet Red Medicinal  
Genuine "Biebrich"  
Silver Proteinate  
Sodium Cacodylate  
Sparteine Sulphate  
Strophanthin  
Strychnine and Salts  
Theobromine and Salts  
Veratrine and Salts  
Yohimbin Hydrochloride

**THE HOFFMANN-LA ROCHE CHEMICAL WORKS** NEW YORK



***Du Pont Vulcone for Balloon Tires***

IT IS imperative that the carcass stocks of Balloon Tires be so compounded that they will withstand the severe flexing encountered in service, without premature failure or deterioration.

Rubber stocks vulcanized with the aid of Du Pont Vulcone have the characteristic properties which make them admirably suited for the manufacture of high grade Balloon Tires.

**E. I. du Pont de Nemours & Company, Incorporated,**  
**Dyestuffs Department, Sales Division,**  
**WILMINGTON, DELAWARE**  
8 Thomas St., New York, N. Y.

## Chemicals

Arsenic, metal, 220 lb. kgs....	lb	.45
Red, 224 lb. kgs cases....	lb	.15 : .15%
White, 550 lb. bbls., NY....	lb	.11% : .12%
Asbestine .....	ton	16.00 : 18.00
Aspirin, see Acid Acetylsalicylic		
Atropine, Alk. USP, 1 oz. vial....	oz	5.00 : 5.57
Sulfate, 5 oz. cans....	oz	3.00
Single ounce .....	oz	3.17
<b>BARIUM BINOXIDE</b> , see Barium dioxide		
Carbonate, precip., 800 lb. bbls. wks.	ton	68.00 : 70.00
Freight, 200 lb. bgs., wks....	ton	68.00 : 70.00
Imports, bbls., spot....	ton	68.00
Chloride, 800 lb. bgs., wks....	ton	90.00
200 lb. bgs., wks....	ton	85.00
Import, bbls., spot....	ton	85.00
Dioxide, 83% 600 lb. drs....	lb	.17 : .18
Import, 86-88% 400 lb. drs. lb.	lb	.14½ : .15
Hydrate, 500 lb. bbls....	lb	.04% : .05
Iodide, 5 lb. box....	lb	5.15
Nitrate, 700 lb. cases....	lb	.10
Import cans....	lb	.08% : .08%
Sulfocyanide 400 lb. bbls....	lb	.35
Barytes, flinted 350 lb. bbls....	ton	33.50 : 35.00
Bay Rum, Porto Rican, genuine		
Medicated salicy. acid or tartar emetic		
45 gal. bbls....gal	1.20 : 1.30	
Medicated quinine sulf. 45 gal. bbls....gal	1.20 : 1.30	
Domestic synthetic, 50 gal. bbls....gal	.90 : 1.00	
St. Thomas		
Medicated salicy. acid or tartar emetic, 50 gal. bbls....gal	1.20 : 1.30	
Benzaldehyde, tech. 945 lb. drs. wks....	lb	.75 : .80
USP, 40 lb. drs. ....	lb	1.50 : 1.60
FFC, 40 lb. drs. ....	lb	1.60 : 1.75
<b>BENZENE</b> , 90% 8000 gal. tanks		
Wks....gal	gal	.22
110 gal. drs. wks....gal	gal	.22
Pure, Tanks, wks....gal	gal	.24 : .25
110 gal. drs. wks....gal	gal	.29 : .30

Benzidine Base, dry 250 lb. bbls. lb	...	: .80	
Benzidine Sulfate, paste 350 lb. bbls....	lb	.70 : .73	
Benzol, see Benzene			
Benzonaphthal. 5 lb. boxes....	lb	3.50 : 3.60	
Benzoyl Chloride, 500 lb. drs....	lb	1.00	
Benzyl Acetate, 100 lb. drs....	lb	1.40 : 1.50	
Alcohol, 5 lb. bot....	lb	1.60 : 1.70	
Benzonate, 5 lb. bot....	lb	1.50 : 1.60	
Medicinal FFC ....	lb	1.75 : 1.85	
Chloride, 98% tech. 925 lb. drs. lb	lb	.25 : .25	
100 lb. drs....	lb	.25 : .30	
Rectifil, 100 lb. drs....	lb	.40 : .45	
Formate, 1 lb. bot....	lb	4.00 : 4.25	
Berberine Hydrochloride, 1 lb. bot....	lb	...	: 22.50
Sulfate, acid or neut. 1 lb. bot. lb	lb	...	: 22.00
<b>BETA-NAPHTHOL</b> , 350 lb. bbls. wks. lb	lb	...	: .28
Carbol. wks....	lb	.24 : .25	
Sublimed ....	lb	.55 : .60	
Reta-Naphthylamine, tech. 200 lb. bbls....	lb	.65 : .67	
Sublimed, 200 lb. bbls....	lb	...	: 1.35
Bichloride Mercury, see Mercury Bichloride			
<b>BISMUTH</b> metal 150 lb. cases....	lb	...	: 2.42
Second Hands ....	lb	2.50 : 2.60	
Ammon. Citrate, USP 5 lb. bns. lb	lb	...	: 5.85
Betanaphtholate, 5 lb. bxs....	lb	...	: 3.30
Citrate, USP 5 lb. bns....	lb	...	: 3.00
Nitrate, 25 lb. jars....	lb	...	: 2.00
Oxychloride, 250 bbls....	lb	...	: 3.50
Phenolsulfonate, 5 lb. cans....	lb	...	: 3.80
Salicylate, 250 bbls....	lb	...	: 1.95
Subcarbonate, USP, 250 bbls....	lb	...	: 3.40
X-Ray diag. 1 lb. bot....	lb	...	: 3.93
Subgallate, USP, 175 lb. bbls....	lb	...	: 2.80

**BISMUTH—(Continued)**

Subiodide, 5 lb. lots....	lb	...	: 4.65
Subnitrate, USP, 250 lb. bbls....	lb	...	: 2.50
Second Hands, 50 lb. or less. lb	...	...	: 2.80
Cone, 1 lb. bot....	lb	...	: 4.00
Subsalicylate, USP, 175 bbls....	lb	...	: 3.10
Tannate, 1 lb. bot....	lb	...	: 2.00
above on basis 25 lb. lots.			
Smaller lots at an advance.			
Blanc Fixe, dry 400 lb. bbls. wks. ton	lb	75.00	: 80.00
Imported, bbls....ton	lb	70.00	: 72.00
Paste, 650 lb. bbls....ton	lb	50.00	: 55.00
<b>BLEACHING POWDER</b> , 700 lb. drs.			
c/l wks....	100 lb	...	: 1.90
Drums, c/l ex-warehouse....	100 lb	2.25	: 2.60
Contract, c/l wks....	100 lb	1.90	: 2.15
Drums, c/l wks....	100 lb	2.05	: 2.30
Imported, spot....	100 lb	...	
Blue Glauberite, see Mercury			
Mars, see Mercury			
Bone Ash, 100 lb. kegs....	lb	.06	: .07
Black, 200 lb. bbls....	lb	...	: .06
Borax, USP, crys. 400 lb. bbls....	lb	.08½ : .08	
Powdered, USP, 300 lb. bbls....	lb	.05% : .06	
Kegs, USP, 100-150 lb....	lb	.06 : .08½	
Lordeau Mixture, powd. bbls....	lb	.12 : .16	
Paste, bbls....	lb	.08 : .10	
Borneol, 1 lb. bot....	lb	...	: 3.50
Bromide, see potass. bromide, etc.			
Bromine, bot. in 60 lb. cs. wks....	lb	...	: .20
Bromobenzene, 600 lb. drums....	lb	.40 : .42	
Bromoform, USP 5 lb. bot 50 lb. cs. lb	lb	...	: 1.65
Brucine Sulfate, 100 ozs....	oz	.15 : .25	
Butter of Antimony, see Antimony Chloride			
<b>CADMIUM</b> , metal 100 lb. bxs....	lb	.95 : 1.00	
Bromide, 50 lb. cases jars....	lb	...	: 1.20
Iodide, 10 lb. bot....	lb	...	: 4.45
Sulfide, cs....	lb	1.50 : 1.60	

## C. P. Acids and Ammonia

The reliable quality of Baker's Analyzed Chemicals and Acids has led to their adoption wherever the highest value is placed on scientific accuracy.

## Hydrochloric Acid

In carboys, net weight, 115 lbs.

In standard cases, 10

6-lb. bottles.

## Nitric Acid

In carboys, net weight, 135 lbs.

In standard cases, 10

7-lb. bottles.

## Sulphuric Acid

In carboys, net weight, 180 lbs.

In standard cases, 10

9-lb. bottles.

## Ammonia

In carboys, net weight, 85 lbs.

In standard cases, 10

4-lb. bottles.

**"Baker's Analyzed"**

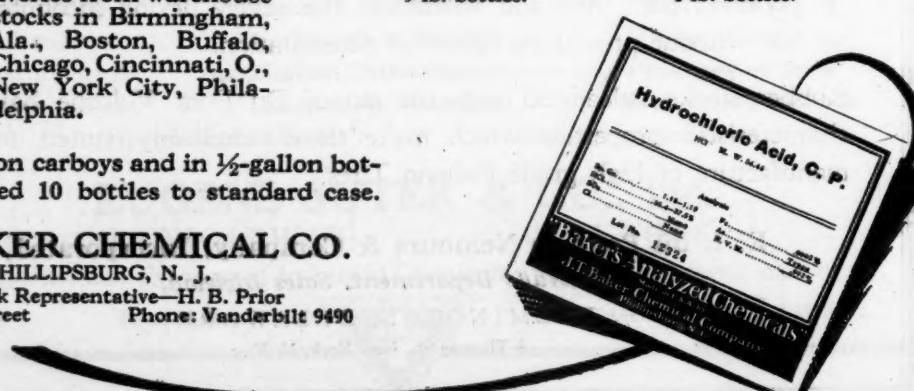


Immediate truck deliveries from warehouse stocks in Birmingham, Ala., Boston, Buffalo, Chicago, Cincinnati, O., New York City, Philadelphia.

In 10-gallon carboys and in ½-gallon bottles, packed 10 bottles to standard case.

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**ZINC OXIDE**  
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This 35% leaded brand is uniformly consistent, permitting positive formulae standardization.

**LITHOPONE**  
Brilliant white;  
highly resistant  
to exposure;  
neutral; opaque.



**ZINC OXIDE**  
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*Established 1839*

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# HARDWOOD TAR

# HARDWOOD PITCH

THE CLEVELAND-CLIFFS IRON CO.

UNION TRUST BUILDING  
CLEVELAND, O.

## Chemicals

CAFFEINE ALK, USP 5 lb cans...lb	3.75	: 4.25	CAMPHOR, Amer. ref: 250 lb bbls. ....lb	... : .93	Chalk, drop 175 lb bbls....lb	... : .0814
Second Hands .....lb	3.65	: 3.75	2 1/2 lb slabs, 100 lb cs...lb	... : .94	Precip. light 250 lb cans....lb	.0434 : .0434
Hydrochloride, 1 lb bot....lb	... : 6.65	1 lb cakes, 100 lb cs....lb	... : .94 1/2	Precip. heavy 550 lb cans....lb	.033 : .04	
Sulfate, 1 lb bot....lb	... : 6.02	1 oz. tab. 1 lb cans.		Bulk .....ton	5.00 : 8.00	
Citrate, 25 lb cans....lb	3.15	: 3.35	100 lb cs. ....lb	... : .98 1/2	Precip. English, 7 lb bags....lb	... : .0974
Hydrobromide, 1 lb bot....lb	... : 4.75	100 lb cs. ....lb	... : .99	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bags, c/l 100 lb .....lb	... : 4.00	Jap. ref. 2 1/2 lb slabs, 100 lb cs. ....lb	.77 : .78	Wood, powd. 100 lb bbls....lb	.84 : .05	
Arsenate, 100 lb bbls, c/l wks...lb	.11% : .18	1 oz. tab. 100 lb cs. 1 lb. time .....lb	... : .97	Willow, powd. 100 lb bbls....lb	.06 : .07	
Bromide, 100 lb cs. ....lb	... : .60	1/2 oz. tab. 100 lb cs. 1 lb. time .....lb	... : 1.00	China Clay, Bone, crude.....ton	6.00 : 8.00	
Carbide, 220 lb dr. c/l wks...lb	... : .0434	Chinese ref. 2 1/2 lb slabs 100 lb cs. ....lb	... : ...	Washed & Ground .....ton	10.00 : 20.00	
Drums 1/2 wks. ....lb	... : .05	Crude, 100 lb cs. ....lb	.58 : .60	Imp. Filler Clay .....ton	16.00 : 18.00	
Carbonate, tech. 100 lb bags c/l .....lb	1.00 : 1.10	Camphor, Monobrom, 100 lb cs...lb	1.75 : 1.85	Coating .....ton	30.00 : 40.00	
USP, precip. 175 lb bbls...lb	... : .04	Caramel, 50 gal bbls....gal	.60 : .62	Chloral Hydrate, USP 100 lb drs...lb	.70 : .75	
Chloride, solid, 650 lb drs, c/l f.o.b. NY .....ton	... : 24.50	Carbazol, 250 lb bbls....lb	... : .50	25 lb jars .....lb	.78 : .80	
Imp. .....ton	... : 23.00	Carbon Bisulfide, 500 lb drs, c/l NY...lb	... : .06%	Chinoinidin, 140 lb drs....lb	... : .55	
Gran. 350 lb drs, c/l f.o.b. NY .....ton	... : 30.50	Carbon Dioxide, Liquid, 20-35 gal, lb	... : .06	Chlorhydrin, Ethylene anhyd. 600 lb dr. ....lb	.55 : .75	
Flake 350 lb drs, c/l drs, f.o.b. NY .....ton	... : 30.50	Carbon Tetrachloride, 1400 lb drs NY .....lb	.0814 : .09%	40% soln. 100 lb drs, c/l wks...lb	.75 : .85	
Anhyd., 350 lb drs, f.o.b. NY...lb	.18 : .20	Drums, c/l NY .....lb	.08 : .08	CHLORINE, Liquid 3000 lb cyl. c/l wks. ....lb	... : .0434	
Glycophosphate, 250 lb bbls...lb	1.50 : 1.60	700 lb drs, single NY .....lb	.0814 : .09%	Tank car lots, wks. Contract. ....lb	... : .0434	
Hydrate, (see Lime)		Carmine, No. 40 5 lb boxes...lb	4.75 : 4.85	100 lb cyl. c/l .....lb	... : .0514	
Hypophosphate, USP, 25 lb cans...lb	.60 : .65	Casen, edib., 100 lb bags...lb	.40 : .45	100 lb cyl. 1/2 wks. ....lb	.0614 : .0714	
Iodide, 5 lb bot....lb	... : 4.40	Technical, 200 lb bbls....lb	.1014 : .12	100 lb cyl. 1/2 ex-warehouse. ....lb	.08 : .09	
Lactate, tech. 500 lb bbls....lb	... : 13 1/2	Castoreum, 1 lb boxes....lb	4.00 : 4.50	Chlorobenzene, mons. 1000 lb drs. wks. ....lb	.10 : .11	
U.S.P. .....lb	.50 : .60	Castor Oil, USP 50 gal. bbls....lb	... : .15%	Drs. c/l wks. ....lb	... : .0814	
Nitrate, 220 lb bbls, c/l NY...ton	... : 40.00	Cases, 50 lb 2 tins....lb	... : .16%	Tank car lots wks. ....lb	... : .08	
Phosphate, tech. 350 lb bbls...lb	.09 : .10	Tech. see Fixed Oils		CHLOROFORM, USP 50 lb drs...lb	... : .35	
Phosphate, precip. tribasic 200 lb bbls, wks. ....lb	... : .14	Caustic Potash, see potash, caustic		Second Hands, 650 lb drs...lb	.33 : .34	
Phosphate, mono, 325 lb bbls...lb	.07 : .08	Soda, see soda, caustic		Technical, 650 lb drums....lb	.32 : .33	
Sulfocarbolate, 100 lb kegs....lb	.55 : .57	Cellulose Acetate, 100 lb cases...lb	1.75 : 2.00	Chromium Acetate, 20° soln. 400 lb bbls. ....lb	.08 : .10	
Calomel, see Mercury		Cerium Oxalate, USP 100 lb kegs...lb	.35 : .38	Fluoride, Powd. 400 lb bbls....lb	... : .80	
				Soln. 400 lb bbls. ....lb	... : ...	
				Sulfate, 400 lb bbls....lb	.07 : .09	
				Chrysarobin, USP, 5 lb cans....lb	... : 2.85	
				Cinchonidin alk. pvd. 100 oz. timos	... : .60	
				Crystal .....oz	... : .65	
				Sulfate, 100 oz. time .....oz	... : .40	

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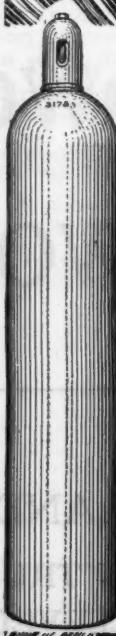
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The elimination of waste is sometimes the difference between profit and loss.

In most processes the use of Chloride of Lime means waste in the form of deterioration of the chemical, or sludge losses which run as high as 25 per cent.

Where LIQUID CHLORINE has replaced Chloride of Lime the loss from deterioration is entirely eliminated, and when made into hypochlorite or leach liquor, the sludge losses are insignificant.

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PIONEER MANUFACTURERS of LIQUID CHLORINE

Plant: NIAGARA FALLS, N.Y.

Main Office, 8 East 41st Street, New York

Liquid Chlorine

## Chemicals

Cinchonine alk., pwd. 1000. tinsos	...	: .38	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50gal. drs. lb	.20	: .25
Crystal	...	: .43	NY	100 lb	13.75	CP drums	.40	: .50
Sulfate, 100 oz. tinsos	...	: .35	Lake, c/l NY	100 lb	14.00	Digitalin, Pure, 1 oz. vial...	9.75	: 10.25
Citrine Ointment, see Mercury			Casting, c/l NY	100 lb	14.12	Dimethylaniline, 840 lb drs. lbs.	.87	: .39
Coal Tar, Tka. & blns., wks...gal	.06	: .08	Carbonate, 400 lb bbls.	lb	.17	Dimethylsulfate, 100 lb drs. lbs.	...	: .56
Cobalt metal, 100lb kgs...	lb	: 3.00	Chloride, 250 lb bbls.	lb	.28	Dinitrobenzene, 400 lb bbls. lb	...	: .17
Cobalt Oxide, 500 lb bbls...	lb	: 2.10	Cyanide, 100 lb drs. lbs.	lb	.45	Dinitrochlorobenzene, 400 lb bbls. lb	.18	: .10
10 lb tins, 200 lb cases...	lb	: 2.45	Iodide, 5 lb bot...	lb	.55	Dinitrophenylbenzene, 350 lb bbls. lb	.32	: .34
COCAINE alk., USP, 1 oz. vial...oz	...	: 10.00	Oxide, red 1000 lb bbls. ton lots	ton	.17	Dinitrophenol, 350 lb bbls....lb	...	: .40
Hydrochloride, USP—1 oz. vials			Sub-Acetate, verd. 440 lb bbls. lb	lb	.23	Dinitrotoluene, 300 lb bbls....lb	...	: .19
25 oz.	...	: 1.07	SULFATE, cry. 450 lb bbls. c/l			Domin, see Morphine, Ethyl		
In 1/2 oz. vials...	...	: 7.50	spot	100 lb	5.00	Diphenylamine, 250 lb bbls....lb	...	: .50
In crystals, granular, powder,			Carrots, bbls.f.o.b. NY. 1000 lb	4.85	4.95	Diphenylguanidine, 170 lb bbls. lb	1.05	: 1.15
or faky crystals as desired.			Carrots, bls. delivered.100lb	5.10	5.15	Dover's Powder, USP 5 lb tins...	2.20	: 2.30
Cocoa Butter, bulk, 200 lb bales. lb	.26	: 26%	Imp. 550 lb cans...	100 lb	4.75	Duboisine Sulfate, 1 oz. vial...oz	...	: 30.07
Fingers, cakes, etc 12 lb bxs...	lb	: .34	Copperas, bulk c/l wks...	ton	...	EARTH, Diatomaceous, see Kieselguhr		
CEDEINE alk., 1 oz. vls. 10 oz. lots	...	: 9.27	200 lb bgs, c/l wks...	ton	16.00	Emetine alk., 15 gr. vls. ....oz	...	: 1.30
Hydrobromide, 1 oz. vls. 10 oz. lots	...	: 7.42	400 lb bbls. c/l wks...	ton	18.00	Hydchloride, USP 1 oz. vial...oz	17.00	: 17.50
Hydrochloride, 1 oz. vls. 10 oz. lots	...	: 8.27	Powdered, bbls. ....100 lb	...	18.00	15 gr. vials....oz	...	: .75
Nitrate, 1 oz. vls. 10 oz. lots.oz	...	: 8.27	Sugar, 400 lb bbls. ....100 lb	...	1.50	EPSOM SALT, tech. 300 lb bbls.		
Phosphate, 1 oz. vls. 10 oz. lots	...	: 6.97	Corn Syrup, 42 deg 50 gal.			NY	100 lb	: 2.15
Salicylate, 1 oz. vls. 10 oz. lots	...	: 6.97	bbls. ....100 lb	...	3.56	Bbls. c/l NY. ....100 lb	...	: 2.00
Sulfate, 1 oz. vls. 10 oz. lots.oz	...	: 7.42	43 deg. 50 gal. bbls. ....100 lb	...	3.61	100 lb bgs. c/l NY. ....100 lb	...	: 1.80
Small Sizes, 1/2 oz. vials, 50c extra,			44 deg. 50 gal. bbls. ....100 lb	...	3.68	Imp. 220 lb bgs. c/l		
1/4 oz. 30c extra, singles, 1c extra			45 deg. 50 gal. bbls. ....100 lb	...	3.75	NY	100 lb	
per oz.—25 oz. lots, 10c oz. cheaper			Corrosive Sublimate, see Mercury Bichloride			USP, 300 lb bbls. 10 bbls. 100 lb	...	
than above. Less than 10 oz. 15c oz.			Cotton Soluble, 100 lb bbls. wet. lb	40	.42	Carrots, bbls. ....100 lb	...	
higher than above.			Cumarin, 25 lb time. lb	3.85	4.00	Imported, 400 lb bbls. 100 lb	2.10	: 2.15
COD LIVER OIL, Norwegian, 30 gal. bbls.	...	: 25.50	Second Hand...	lb	3.80	100 lb kgs. ....100 lb	...	: 2.25
Newfoundland, 30 gal. bbls. bbl	...	: ...	CREAM TARTAR, USP, 300 lb bbls.			Ergotin, Bounjan, 1 lb jars....lb	6.00	: 6.35
Colchicine alk., USP 1 oz. vial...oz	...	: 15.07	Imp. powd. USP, 224 bbls....lb	...	.21%	Eserine alk., 1 oz. vial....oz	...	: 24.07
Salicylate, 1 oz. vial...oz	...	: 45.00	Crocetose, USP, 42 lb crys....lb	...	.21%	Salicylate, USP 1 oz. vial....oz	...	: 16.07
Collodium USP 30 lb drums....lb	...	: .22	Carbonate, 1 lb bot. 25 lb....lb	1.70	.19	Sulfate, USP VIII, 1 oz. vial...oz	...	: 12.07
Ethyl Benzyl Aniline, 300 lb drs. lb	...	: 1.30	Crocetose Oil, 50 gal. drs....gal	...	.20	ETHER, USP 55 lb drums....lb	...	: .13
			Cresol, USP, 400 lb drums....lb	...	.23	Anesthesia, 55 lb drums....lb	...	: .16
			Cyanamide, bulk c/l wks. Amminit	...	.26	USP, 1880 55 lb drums....lb	...	: .40
			...		.25	Washed, 55 lb drums....lb	...	: .32
						Motor, 1 lb cans....lb	.34	: .27
						Ether, Nitro, 1 lb bot....lb	.92	: .95
						Ethyl Benzyl Aniline, 300 lb drs. lb	...	: 1.30



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## Chemicals

Glutyl Acetate, 99%, 50 gal. drs. gal	1.25	: 1.25	Gelatin, USP silver lbd. 100 lb. ca. lb	.85	: .90	Hydrastinine Hydrochloride, USP 15 gr.	
85-90% Ester, 50 gal. drs. gal	...	: 1.12	Gold Label, 100 lb. cases.....	.85	: .85	vials ..... vial	: 1.65
Carbox, drums ..... gal	...	: 1.10	Technical, 100 lb. ca. ....	.80	: .85	Hydrazobenzeno, 100 lb. kegs.....	1.80 : 1.85
Talcus Care ..... gal	...	: 1.05	CLAUBER'S SALT, tech. 200 lb. bags	...		bbls. .... lb	: .10
Edmed, drums ..... gal	1.87	: 2.00	1c/l wks. .... 100 lb	1.15	: 1.25	100 vol. 145 lb. drgs. .... lb	.38 : .38
Bromide 115 lb. drs. ....	...	: .40	350 lb. bbs. c/l wks. .... 100 lb	1.30	: 1.35	USP Soln. 375 lb. bbls. .... lb	.05 : .05
Chloride, 15 lb. cyl. ....	...	: .35	Imported, bbls. .... 100 lb	1.50	: 2.06	100 vol. 145 lb. drgs. .... lb	.48 : .48
Methyl Ketone, 50 gal. drums. ....	1.25	: .25%	100 vol. 145 lb. drgs. .... lb	.95	: 1.00	USP bot. 4 oz. cases..... gross	8.00 : 8.25
Morphine, see Morphine, Ethyl			USP, 300 lb. bbls. Imp. sp. .... 100 lb	...	: 1.25	Bot. 8 oz. cases..... gross	11.75 : 12.00
Ethylene Bromide, 800 lb. drs. ....	...		USP, 300 lb. bbls. dom. sp. .... 100 lb	...	: 1.75	Bot. 16 oz. cases..... gross	19.75 : 20.00
Glycol .....	...	: .85	USP, 300 lb. bbls. c/l wks. .... 100 lb	...	: 1.40	Hydroquinone, 100 lb. kegs.....	1.40 : 1.50
Chlorhydrin, anhyd. 50 gal. drs. ....	1.75	: .85	Calcined, see Sodium Sulfate			Hyescine Hydrobrom. USP 1 oz.	
40% Selection, 50 gal. bbls. ....	1.25	: .30	Glucose, (Grape Sugar) dry. 100			vial ..... vial	: 10.57
Dichlorine, 50 gal. drs. ....	1.20	: .35	70° bags. c/l NY. .... 100 lb	3.59	: 3.94	Five oz., 1 oz. vials.....	: 10.00
Ethylenediamine .....	...	: .70	Syrup, Dr. & bbls. c/l NY 100 lb	3.36	: 3.61	Hyoscyamine Alk. Cryst. 1 oz. vials.....	: 25.07
Eucalyptol, 25 lb. cans. ....	1.82	: .85	1c/l NY. .... 100 lb	3.46	: 3.71	Alkaloid, Amorphous, 1 oz. vials.....	: 75.07
Palmar, bulk ..... ton	20.00	: 25.00	GLUE, pure white, bbls. .... lb	.25	: .30	Hydrobromide, USP 1 oz. vials.....	: 25.07
FERRIC CHLORIDE, tech. crys.			Medium white, bbls. .... lb	.15	: .23	Sulfate, 1 oz. vials.....	: 25.07
475 lb. bbls. ....	...	: .07	French, bbls. .... lb	.18	: .25	INDOL. C. P. 1 oz. bot. .... oz	6.00 : 6.50
Imported .....	...	: .05%	High Grade, bbls. .... lb	.35	: .40	Iodides, see Potass. Iodide, etc.	
USP, crys. 100 lb. kegs. ....	...	: .08	Bone, regular, bbls. .... lb	.10	: .12		
Imported .....	...	: .07%	Fish, bbls. .... lb	1.50	: 1.75		
Neat. Sol'n 40° 140 lb. drgs. ....	...	: .06	GLYCERIN, C. P. 550 lb. drums. .... lb	1.65	: .17		
48° 140 ozs. ....	...	: .08	Cas. 50 lb. .... lb	.18	: 1.84		
USP Sol'n 125 lb. drgs. ....	...	: .05%	Dynamite, 100 lb. drs. .... lb	.16	: 1.84		
Ferven Chloride, crys. tech.			Saponification, tanks. .... lb	.125	: 1.25		
475 lb. bbls. ....	...	: .08 : .00%	Soap, Lye tanks. .... lb	.10	: .11		
Ferven Sulfide, 1000 lb. bbls. 100 lb	...		Goo Powder, see chrysocolla				
Flake White, see lead, white			Graphite, crude 220 lb. bags. .... ton	15.00	: 35.00		
Fluorpar, 95% 220 lb. bgs. ex- dock ..... ton	...	: 25.00	Flake, 500 lb. bbls. .... lb	.05	: .08		
96% bgs. .... ton	...	: 33.50	Ground, lump, bbls. .... lb	.04	: .05		
98% bgs. .... ton	...	: 35.00	Guaiacol liquid, USP, 25 lb. cans. .... lb	2.35	: 2.45		
FORMALDEHYDE, USP 400 lb. bbls.			Benzoin, 1 lb. bot. .... lb		: 18.00		
c/l wks. ....	...	: .11	Carbonate, 5 lb. boxes. .... lb	3.75	: 4.00		
Carboys, 100 lb. c/l wks. ....	1.12	: 1.12%	HAARLEM OIL, Dom. 6 gr. ca gross				
Bols. 400 lb. c/l wks. ....	1.12	: 1.11%	Imported, 5 gr. cases..... gross	5.15	: 5.25		
Second Hands .....	...	: .11	Halawee, 5 lb. bot. .... lb	2.75	: 3.25		
Fossil Flour .....	...	: .04	Hexamethylenetetramine, USP				
Formaldehyde .....	...	: .50	100 lb. drums. .... lb	.75	: 7.75		
Fuller's Earth, 200 lb. bgs. c/l mines ..... ton	15.00	: 17.00	Imported ..... lb	.67	: .68		
Imported, 230 lb. kegs. NY. ....	35.00	: 40.00	Emulsion, Impalp. Pd. ....				
Fuse Oil, refined, 50 gal. drm. ....	4.25	: 4.50	Homatropine Hydrobrom. USP 1 oz.				
Crude, 50 gal. drum. .... gal	2.50	: 3.00	dr. ....	.83	: .85		
G SALT, paste 350 lb. bbls. basic			Hydrastinine Alk., USP 1 oz. vials.....				
100% .....	...	: .85	Five oz., 1 oz. vials.....		: 16.00		
			Hydrastinine Alk., USP 1 oz. vials.....		: 15.87		
			Hydichloride, USP 1 oz. vials.....		: 14.57		
			Sulfate, 1 oz. vials.....		: 17.67		
			GLUE, ....		: .84 : .86		

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## Chemicals

JALAP RESIN, lump 5 lb. tins...lb	8.25	: 8.25	Linalool, 5 lb. bot.....lb	5.50	: 6.50	Manganese—(continued)	
Powd. tins.....lb	8.40	: 8.50	Litharge, see lead oxide			Glycophosphate, 5 lb. tins...lb	... : 8.10
Kaps, 160 lb. double bales....lb	.28	: .30	Lithium Carb. USP, 100 lb. kgs...lb	1.50	: 1.60	Hypophosphite, USP VIII 5 lb. cans...lb	... : 1.40
KIESELGUM, 90 lb. bags NY....ton	60.00	: 70.00	Bromide, 100 lb. cans...lb	1.75	: 1.85	Iodide, 1 lb. bot.....lb	... : 6.85
LANGOLIN, see Adeps Lanas			Citrate, USP 100 lb. bags...lb	1.70	: 1.75	Ore, bulk NY.....unit	.40 : .45
LEAD, metal c/l NY.....100 lb	9.00	: 9.12	Iodide, 5 lb. bot.....lb		7.50	Sulfate, 600 lb. cans NY....lb	.09 : .10
Acetate, white crystals 500 lb.			Lithopone, 400 lb. bbls. 1/2 wts...lb		.07%	Marble Flour, bulk .....ton	10.00 : 12.00
bbls. wts.....lb			Rags, c/l wts.....lb		.06%	See also Calcium Carbonate	
100 to 250 lb. kgs. wts. lb		: 15%	Imported, 400 lb. bbls...lb		.05%	MENTHOL, USP, 60 lb. cases...lb	... : 12.15
White, broken bbls. wts. 100 lb		: 14.40	Lithmus Cubes.....lb		.05%	Loss cases, 5 lb. tins.....lb	... : 12.40
White, gran. bbls. wts. 100 lb		: 14.65	MAGNESITE, crude.....ton			MERCURY, metal 75 lb. flask...flask	68.00 : 69.00
White, powd. bbls. wts. lb		: 15.75	Calcedine, 500 lb. bbls.....ton			Loss Flasks, 5 lb. jugs.....lb	... : .97
Kgs. wts.....lb		: 16%	Magnesium mtl. sticks 100 lb. cm. lb	1.25	: 1.30	Bichloride, cryst. 25 lb. bxs...lb	... : 1.02
Brown, broken bbls. wts. lb		: 14	Carb. tech. 70 lb. bags NY....lb	.08	: .08%	Gran. powd., 200 lb. kgs...lb	... : .87
USP, 100 lb. bags.....lb		: .17	75 lb. bbls. NY.....lb	.09%	: 10%	Bisulfate, 25 lb. boxes.....lb	... : .86
Amenate, 100 lb. bbls. 1/2 wts. lb		: .21	USP, 60 lb. bbls.....lb	.12	: .14	Blue Mass, 25 lb. boxes.....lb	... : .83
Rags, c/l wts.....lb		: .26	cm. ....lb	.19	: .23	Powdered, 25 lb. boxes.....lb	... : .84
Bbls. c/l wts.....lb		: .19	Chloride, fused 575 lb. drs. c/l wts. ....ton			Blue Ointment, USP 25 lb. cans	
Paste, 600 lb. bbls.....lb		: .11	wts. ....ton			50% .....lb	... : .77
Iodide, USP VIII 5 lb. bot....lb		: 3.20	Flaked, 350 lb. drs. wts c/l ton			USP, dilute 25 lb. cans 30%....lb	... : .57
Nitrate, 500 lb. bbls. wts. ....lb		: .12	Imp., fused 900 lb. bbls. NY....ton	26.00	: 35.00	33 1/3% Mercury .....lb	... : .67
Oxide, litho. 500 lb. bbls. ....lb		: .11%	Fluoridate, crystals 400 lb. bbls.			Calomel, 50 lb. bxs.....lb	... : 1.10
100 lb. kgs. wts. ....lb		: .12%	wts. ....lb			Citrine Ointment 25 lb. jars...lb	... : .54
Oxide, red 500 lb. bbls. wts. ....lb		: .12	USP Light 100 lb. bbls....lb			Iodide, green 25 lb. jars....lb	... : 4.00
100 lb. bbls. wts. ....lb		: .11%	USP, heavy 250 lb. bbls....lb			Red, USP 25 lb. jars....lb	... : 4.10
Peroxide, 100 lb. drs. ....lb		: .25	Peroxide, 5 lb. cans.....lb			Yellow, USP VIII 25 lb. jars....lb	... : 4.00
White, basic carb. 500 lb. bbls. wts. ....lb		: .30	Perborate, 1 lb. tins.....lb			Red Precip. USP 25 lb. bxs...lb	... : 1.38
Bbls. c/l wts.....lb		: .10%	Sallycylate, 100 lb. bags.....lb			Powder, USP 25 lb. bxs...lb	... : 1.68
100 lb. bags wts. ....lb		: .15	Sulfate, see Epsom Salts			White Precip. USP 25 lb. bxs...lb	... : 1.29
White, sulfate 500 lb. bbls. wts. ....lb		: .09%	Manganese Chloride, 500 lb. ext. NY.....lb			Powder, USP 25 lb. bxs...lb	... : 1.34
Bbls. c/l wts.....lb		: .09%	NY .....lb	.09%	: .10	With chalk, USP 25 lb. bxs...lb	... : .62
Lime Ext. Mass, cases.....lb		: .25	Borate, 30%, 200 lb. bbls....lb		: .24	Meta-Nitraniline .....lb	.78 : .89
Compound powder, bbls.....lb		: .11	100 lb. bags .....lb		: .25	Meta-Nitro-para-Toluidine, 300 lb. bbls. ....lb	... : 2.38
Powdered.....lb		: .25	Dioxide, 90-94% 900 lb. bbls. ....lb			Meta-Phenylenediamine, 300 lb. bbls. ....lb	.95 : .98
Sticks, 1 oz. 100 lb. cases....lb		: .45	NY .....ton	80.00	: 85.00	Meta-Toluylenediamine, 300 lb. bbls. ....lb	.82 : .88
LIME (Salts, see Calcium Salts)			85-90% 900 lb. bbls. NY....ton	85.00	: 90.00		
Live, 335 lb. bbls. ton lots, wts. lb		: .01%	Hydrated, precip. 100 lb. kgs. lb	.15	: .20		
Single bbl. wts. ....lb		: .01%					
Oyster Shell, 150 lb. bbl. single. ....lb		: .08%					
125 lb. bag		: .03%					
Sulfur, dry 200 lb. drs. NY....lb		: .05					
Dr. c/l NY....lb		: .10%					
33 lb. Sols. 50 gal. bbls. NY. gal		: .15					
		: .16					

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<b>METHANOL (Wood Alcohol)</b>	
95% tanks	.85
Drums, c/l	.87
Drums, 1c/l	.88
97% tanks	.88
Drums, c/l	.90
Drums, 1c/l	.93
Pure, Acetone free, tins	.90
Drums, c/l	.92
Drums, 1c/l	.95
Bbls. incl. 5c higher	
Methyl Acetone, 100 gal. drums, gal	.95
Tanks, cans	.90
Chloride, 90 lb. cyl. bbls.	.50
Salicylate, USP, 50 lb. cases	.47
500 lb. drums	.45
Second Hand, cases	.45
Methylene Blue, tech. 100 lb. kgs.	1.00 : 1.50
USP, medicinal 5 lb. cans	2.10 : 2.25
Micheler's Ketone, 225 lb. bbls.	.3.75
Milk, powd. 150 lb. bbls.	.14 : .15
Milk Sugar, see sugar of milk	
Mineral Oil, see oil mineral	
Mineral Rubber	ton 33.00 : 54.00
Monochlorobenzene, see chlorobenzene	
Monethylaniline, 900 lb. drs.	.1.00
Monomethyl phenolphenol sulfate	
1000 lb. drs.	3.25 : 3.67
<b>MORPHINE Sulfate, USP 5 oz. tins</b>	
10 oz.	.6.95
Acetate, 5 oz. tins 10 oz. lots	.6.95
Hydrochloride, 5 oz. tins 10 oz. lots	.6.95
Hydchloride, 5 oz. tins 10 oz. lots	.6.95
Diacetyle Alk., 5 oz. vials 10 oz.	.10.75
Hydchloride, 5 oz. vials 10 oz.	.9.75
Ethyl Hydchloride, 5 oz. vials 10 oz.	.10.95
Small Sizes: 5 oz. vials, 50c extra; 1/4 oz. 25c extra; single oz. vials, 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10c oz. lower than above schedule. Less than 10 oz. lots 15c oz. higher than above schedule.	
Mask Ambrette, 1 lb. cans	15.00 : 17.00
<b>NAPHTHA</b> , Solvent, 110 gal. drs. wks.	.31
8000 gal. tank cars wks. gal	.36
<b>NAPHTHALENE, Flake, 175 lb. bbls. wks.</b>	
Bbls. c/l wks.	.06 : .06 1/2
Bbls. second hands NY	.06 1/2 : .07
Balls, 250 lb. bbls. wks.	.07 : .07 1/2
Bbls. c/l wks.	.07 : .07 1/2
Balls, second hands NY	.07 : .07 1/2
Crushed, chipped, bgs. wks.	.05 1/2 : .06
Crude, imp. bags.	.02 1/2 : .03
<b>Nickel Metal, electrolytic 100 lb. kegs</b>	
Ingot, 100 lb. kegs.	.30 : .32
Salt, single 400 lb. bbls. NY.	.11 : .12
Double, 400 lb. bbls. NY.	.10 : .11
Oxide, 100 lb. kegs. NY.	.40 : .42
Sulfate, 450 lb. bbls.	.07 : .07
Nicotine, 8 lb. tins	.1.60 : 1.80
Sulfate, 10 lb. tins, 40%	.1.15 : 1.30
Nitro-Cake, bulk wks.	ton 5.50 : 6.00
500 lb. bbls.	ton 13.00 : 14.00
Nitrobenzene, crude, 1000 lb. drs. wks.	.14 : .15
Redistilled, 1000 lb. drs. wks. bbls.	.09 1/2 : .10 1/2
Nitronaphthalene, 550 lb. bbls.	.20 : .21
Nitrotoluene, mixed 1000 lb. drs. wks.	.14 : .15
Ochre	.03 1/2
Oil Fuel, see Fuel Oil	
<b>OIL MINERAL</b> , wh. 50 gal. bbls. gal	1.00 : 1.25
Oil Mirbane, wh. nitrobenzene	
Opium, see crude drugs	
Orange Mineral, 800 lb. cases NY.	.15 1/2
500 lb. bbls. NY.	.16
Ortho-Aminophenol, 50 lb. kegs.	2.40 : 2.50
Ortho-Anisidine, 100 lb. drs.	.3.10
Ortho-Dichlorobenzene, 1000 lb. drs. wks.	.06 : .08
Ortho-Nitrochlorobenzene, 1200 lb. drs. wks.	.35 : .40
Ortho-Nitrophenol, 350 lb. 3 bbls.	.1.25
Ortho-Nitrotoluene, 1000 lb. drs. wks.	.10 : .11
Ortho-Toluidine, 350 lb. bbls.	.13 : .15
Ortho-Toluuidine, USP, 5 lb. bot.	2.00 : 3.00
Purified, 5 lb. bot.	1.50 : 2.50
Crude, 5 lb. bot.	.80 : 1.25
<b>PALLADIUM</b> , metal 10 oz. lots.	75.00 : 76.00
Pancreatin, USP 5 lb. bot.	1.25 : 1.40
Papain, 10 lb. bot. USP, Powd.	2.00 : 2.25
Crude, 150 lb. cases	1.80 : 1.85
Paraffin, ref'd 200 lb. ca. sinks	
123-127 Deg. M. P.	.05 1/2 : .06
128-132 Deg. M. P.	.05 1/2 : .06 1/4
133-137 Deg. M. P.	.06 1/2 : .07
138-140 Deg. M. P.	.07 1/2 : .07 1/2
Para-Aminostearinilid, 100 lb. kegs	.1.65 : 1.15
Para-Aminophenol, 100 lb. kegs.	1.16 : 1.35
Hydrochloride, 100 lb. kegs.	1.45 : 1.50
Para-Dichlorobenzene, 150 lb. bbls.	
25-50 lb. kegs	.17 : .20
Paraldehyde, 100 gal. drs.	... : .48
Paraformaldehyde, USP 100 lb. cs. bbls.	... : .50
Para-Nitrostearinilid, 300 lb. bbls.	.55 : .60
<b>PARA-NITROANILINE</b> , 300 lb. bbls. wks. ton	.68 : .73
Para-Nitrochlorobenzene, 1200 lb. drs. wks.	.20 : .30
Para-Nitro-ortho-Toluidine, 300 lb. bbls.	
2.75 : 2.85	
Para-Nitrophenol, 185 lb. bbls.	.70 : .75
Para-Nitroodimethylaniline, 120 lb. bbls.	... : .95
Para-Nitrotoluene, 350 lb. bbls.	... : .47
Para-oxo-Benzaldehyde, 100 lb. kegs	
Paro-Phenetidine, 500 lb. drs.	1.50 : 1.60
Para-Phenylenediamine, 350 lb. bbls.	1.55 : 1.80
Para-Toluene-Sulfonamide, 175 lb. bbls.	1.35 : 1.40
Para-Toluene-Sulfonechloride, 410 lb. bbls. wks.	.40 : .41
Para-Toluidine, 350 lb. bbls. wks. bbls.	.18 : .20
Para-Toluuidine, 500 lb. bbls. wks. bbls.	.80 : .85

# NITRATE POTASH

DOUBLE REFINED CRYSTALS  
GRANULATED OR POWDERED



BATTELLE & RENWICK

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

WHITING  
DOMESTIC and IMPORTED  
GAS CARBON  
BLACK  
DENATURED  
ALCOHOL

SPOT STOCKS CARRIED

INDUSTRIAL CHEMICAL CO.

200 Fifth Avenue NEW YORK

## Chemicals

PARIS GREEN		Piperazine Hydrate, 1 lb bot...lb		16.00		POTASSIUM-(Continued)		
Arsenic Bath,	500 lb. kegs...lb	.30	: .32	Pitch, Coal-Tar, wks.....ton	30.00	: 33.00	Chlorate, cry. 112 lb. kgs. c/l wks.....lb	.08% : .08%
Kegs, 100 lbs.....lb	.32	: .38	Plaster Paris, tech. 250 lb. bbls.bbl	...	: 3.80	Imp. 112 lb. kegs NY.....lb	... : .08	
Kits, 56, 28, 14 lbs.....lb	.34	: .35	True Dental, 300 bbls.....bbl	...	: 4.50	Powd., 112 lb. kegs wks...lb	.08% : .09	
Packages, 5 and 2 lbs.....lb	.36	: .37	Platinum, metal soft 10 oz. lots...oz	...	: 122.00	Imp., kgs. NY.....lb	.07 : .07%	
Packages, 1 lb, 1/2, 1/4 lbs...lb	.39	: .43	Podophyllin, 5 lb. bot.....lb	6.00	: 6.25	Pyrotechnic, fine powd. NY...lb	... : .08%	
Paris White, see whiting, French			Second Hands .....	5.95	: 6.00	USP, fine cry. 110 lb. kgs NY .....	.08 : .09	
Pepin, USP 5 lb. bot.....lb	2.25	: 2.50	POTASH, CAUSTIC, solid 88-92%			Citrate, USP 10 lb. cans.....lb	.63 : .66	
PETROLATUM, green 300 lb. bbls. lb	.02% : .03		700 lb. drs. wks.....lb	...	: .07 1/2	Cyanide, 110 lb. cases .....	... : .65	
Dark Amber 300 lb. bbls...lb	.03% : .04		Imp., 88-92% 700 lb. drs. NY. lb	.06%	: .06%	Glycerophosphate, 75% Soln. 25 lb tins .....	1.60 : 1.70	
Light Amber, 300 lb. bbls...lb	.04% : .05		USP, by alcohol 5 lb. cans...lb	.46	: .48	Guaiacol Sulfonate, 5 lb. cans,		
Cream White, USP 300 lb. bbls. lb	.07 : .07 1/2		cases .....	.30	: .35	10 lb .....	2.00 : 2.25	
Lily White, USP, 300 lb. bbls. lb	.09 : .09 1/2		POTASSIUM Acetate, USP, 100 lb. kegs .....	.28	: .30	Hypophosphite, 10 lb. cans...lb	.80 : .85	
Snow White, USP, 300 lb. bbls. lb	.12% : .13		Bicarbonate, cry. 220 lb. bbls. lb	...	: .13	Iodide, USP, 100 lb. cases...lb	3.60 : 3.65	
Phenol, see also acid carbolic			Bichromate, cry. 900 lb. cans. bbls.	.09%	: .10	Second Hands, cases.....lb	... : 3.65	
American makers, drums wks...lb	...	: ...	Powd., 900 lb. casks wks...lb	...	: .12	Lactophosphate, 4 oz. bot.....oz	... : .90	
Open market, drs.....lb	.32 1/2	: .34	Binoxalate, 300 lb. bbls...lb	.25	: .28	Metabisulfite, 200 lb. bbls...lb	.18 : .20	
240 lb. drs. drs. wks.....lb	...	: ...	Import, 112 lb. kgs.....lb	...	: .18	Imp. 550 lb. bbls...lb	.12 : .14	
Natural, 240 lb. drs. drs. wks...lb	...	: ...	Bisulfate, C.P., 5 lb. cans...lb	...	: .30	Muriate, 80%, 200 lb. bags. NY K <sub>2</sub> O unit .....	... : .68	
Imported, 336 lb. drs. drs...lb	...	: ...	100 lb. kegs .....	...	: .32	Nitrate, see Saltpetre		
Phenolphthalein, USP, 100 lb. drs. lb	1.40	: 1.50	Bromate, 100 lb. cs.....lb	...	: .45	Oxalate, neutral, 100 lb. kegs...lb	.35 : .40	
5 lb. cans, 100 lb. lots.....lb	1.50	: 1.60	BROMIDE, USP, cryst. 450 lb. bbls. .....	...	: .26	Perchlorate, 112 lb. kegs.....lb	.09% : .10	
Phenyl-Alpha-Naphthylamine 100 lb. kegs .....	...	: ...	Granular, 300 lb. bbls...lb	...	: .29	PERMANGAN, USP, cry. 500 lb & 100 lb. drs. wks...lb		
Phenylisobutylalcohol, 1 lb. bot.....lb	6.75	: 8.75	Cases, 100 lb .....	...	: .30	Imp. 112 lb. drs. ....lb	.14 : .15	
Imported .....	7.75	: 9.75	Imported, USP, 220 lb. cs...lb	.18	: .19	Prussiate, red, 100 lb. bbls...lb	.14% : .15	
Phogene, 100 lb. cylinders.....lb	...	: 1.00	CARBONATE, 80-85% sale. 800 lb. cs.....lb	.05%	: .05%	Prussiate, yellow, 500 lb. casks. lb	... : .43	
Phosphorus Oxychloride, 175 lb. cyl. lb	.35	: .40	80-85%, hydrated, 800 lb cbs. .....	.06	: .06%	Prussiate, yellow, 500 lb. casks. lb	... : .41	
Phosphorus, red 110 lb. cs. wks...lb	.75	: .85	90-95% calc. casks.....lb	.06%	: .06%	Salicylate, 25 lb. cans.....lb	.60 : .65	
Imported, 112 lb. cases.....lb	...	: ...	96-98% calc. casks.....lb	.06%	: .06%	Sulfate, 200 lb. bags. NY. K <sub>2</sub> O unit USP. VIII, 100 lb. kegs...lb	... : .84 .15 : .18	
Yellow, 110 lb. cs. wks.....lb	.40	: .45	99% calc. casks.....lb	.07%	: .07%	Sulfocyanide, CP 25 lb. jars...lb	... : .50	
Imported, 112 lb. cases.....lb	...	: ...	USP, 100 lb. kegs.....lb	.12%	: .13	Tartrate, neutral, 100 lb. kegs. lb	... : .51	
Phosphorus Trichloride, 175 lb. cyl. wks .....	...	: .45	99% CP casks.....lb	.12	: .12%	Titanium Oxalate 200 lb. bbls. lb	.25 : .30	
Phthalic Anhydride, 100 lb. bbls. lb	...	: .90						
Phiocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials.....oz	...	: 3.57						
Nitrate, 25 oz.....oz	...	: 3.57						
Single ounces .....	...	: 3.82						
Alkaloid, 15 gr. vials.....oz	...	: .85						

Largest producers of Pure Phthalic Anhydride in the world



**SELDEN**

99.99 + % Pure.

**Brand PHTHALIC ANHYDRIDE**

is the Product by which all other  
Brands may be Standardized.

**IT-IS-PURE**

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

**THE SELDEN COMPANY**

Pittsburgh, Pa., U. S. A.

## Chemicals

QUININE—(continued)			
Tartrate	.....	.....	.88
Valerate	.....	.....	.89
Small Sizes: 100 vials or cans,			
50m. lots, 5c or extra; 50m. cans,			
50m. lots 3c or extra; 25m. cans,			
50m. lots, 2c or extra; single 100			
vials or cans, 5c extra. All minor			
quinine salts sold and quoted basis			
100m. lots in 100m. cans. Sulfate			
and bisulfate sold basis 100m.			
lots in 100m. cans. Smaller orders			
or containers extra as above			
schedule.			
F SALT, 250 lb. bbls. wks. .... B	.49	.50	
Red Lead, see lead oxide			
Red Precipitate, see mercury			
Resorcin, see resorcinol.			
Resorcinol tech, 100lb. bgs. .... B	1.35	1.50	
URE, 25lb. cans. .... B	2.35	2.35	
Rochelle Salt, USP, 225lb. bbls. .... B	.20	.21	
Imp. URE, 300lb. bbls. .... B	.1934	.20	
Rosewater, triple, 5gal. demis. .... gal	.90	1.10	
Roten Stone, lump 4m. bbls. .... B	.07	.08	
Lump selected, bbls. .... B	.09	.12	
Powdered, bbls. .... B	.02	.05	
Domestic, bags, minns. .... ton	24.00	30.00	
SACCHARIN, USP, 1lb. cans, 25lb.	B. 1.90	2.10	
Soluble, URE, 1lb. cans, 25lb. .... B	1.90	2.10	
Sal Ammoniac, see Ammon. Chloride			
Salicin, USP, 1lb. cartons, 25lb. .... B	4.50	4.75	
Salol, USP, 100lb. drums. .... B	.80	.90	
Salt, Common, see sodium chloride			
Salt Cake, c/l f.o.b. wks. .... ton	20.00	24.00	
SALTPETRE, Double Refined			
Granular, 400-500lb. bbls.			
c/l wks. .... B		.06%	
Less c/l works, bbls. .... B		.06%	
Large Crystals, 350-400lb. bbls.			
c/l wks. .... B		.08	
Small Crystals, 350-400lb. bbls.			
c/l wks. .... B		.07%	
Powdered, bbls. c/l wks. .... B		.07%	
Imported, 500lb. bbls. NY. .... B		.07	
Santonin USP, 1lb. bot. .... B	145.00	148.00	
Powd. 1lb. bot. .... B	148.00	150.00	
Saponin, ex Quillaja, 5lb. tins. .... B	1.00	1.25	
Satin White, 250lb. bbls. wks. B		.01%	
Schaeffer's Salt, 250lb. bbls. wks. B	.00	.05	
Scopolamine, see hyoscine.			
Seidlitz Mixture, 225lb. bbls. .... B	.17	.18	
SILICA			
Crude, bulk, minns. .... ton	18.00	12.00	
Refined, floated, bags. .... ton	18.00	30.00	
Air floated, bags. .... ton	32.00	50.00	
Extra, floated, bags. .... ton	55.00	65.00	
SILVER, metal, American. .... oz		.20%	
Foreign. .... oz		.65%	
Colloidal, 16m. bot. .... oz		.25	
Silver Iodide, 16m. bot. .... oz		.65	
Nitrate, USP, 200es bot. .... oz	.44	.48	
Nucleotide, 16m. bot. .... oz	.30	.35	
Protinate, 16m. bot. .... oz	.30	.35	
Soap, Castle, 40lb. bxs. .... B	.20	.25	
Powd. USP, 250lb. bbls. .... B	.28	.39	
Green, USP, 150lb. bgs. .... B	.07	.075	
Sophorite, see Talc, crude			
SODA ASH, 55% light			
1-4 bags, deliv'd NY. .... 100lb		2.19	
5 & Up bags, deliv'd NY. .... 100lb		2.04	
1-4 bbls, deliv'd NY. .... 100lb		2.44	
5 & Up bbls, deliv'd NY. .... 100lb		2.29	
Contract, Basis 55% bags c/l			
wks. .... 100lb		1.38	
Prompt and spot, Basis 55% bags			
c/l wks. .... 100lb		1.48	
Contract, Basis 55% dense bags			
c/l wks. .... 100lb		1.45	
Prompt and spot, Basis 55% bags			
c/l wks. .... 100lb		1.55	
SODA, CAUSTIC, 70% solid			
1-4 drums deliv'd NY. .... 100lb		3.91	
5 & Up drums deliv'd NY. .... 100lb		3.76	
Ground & Flake, 75%			
1-4 drums, deliv'd NY. .... 100lb		4.31	
5 & Up drums deliv'd NY. .... 100lb		4.16	
1-4 bbls, deliv'd .... 100lb		4.56	
5 & Up bbls, deliv'd .... 100lb		4.41	



## Soda Ash

## Modified Soda   Bicarbonate of Soda

## Caustic Soda   Special Alkali

## Textile Soda

Manufactured and Sold by

DIAMOND ALKALI COMPANY

GENERAL OFFICES - PITTSBURGH, PA.



**T**HREE is a feeling of security and satisfaction in the realization that you are purchasing

## ALKALI

from the largest source of supply.

### Solvay 58% Soda Ash

Dense—Light—Extra light (Fluf)

### Solvay 76% Caustic Soda

Solid—Flake—Ground

### Solvay Super Alkali { 15% 34%—45%

Solvay Snow Flake Crystals

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



## The Solvay Process Company

Detroit, Mich.      Syracuse, New York      Hutchinson, Kan.

**Sales Division Wing & Evans, Inc. - 40 Rector St., New York**

Boston

Cincinnati

Cleveland

Detroit

[Pittsburgh]

Chicago

Syracuse

Indianapolis

## Chemicals

## SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks.			
100 lb. ... : 3.10			
Pmp't and spot. Basis 76% c/l wks. ... : 3.20			
Contract 74% low grade c/l wks. flat ... : 3.02			
Ground & flake, 76% pmp't and spot, wks c/l drs. 100 lb. ... : 3.60			
Contract, 76% drama, c/l wks. flat ... : 3.50			
USP, stick, 10 lb. cans ... : .19 : .21			
Pure, stick, by alcohol ... : .25 : .27			

## SODIUM ACETATE, cry. 450 lb bbls

wks. ... : .05 : .05%			
Ton lots, bbls, wks. ... : .05 : .05%			
Imp., 500 lb cans ... : ... : ...			
Aluminum Sulfate, see alum soda			
Benzoate, USP, 100 lb bbls. ... : .65 : .68			
Bicarbonate, 400 lb bbls. NY 100 lb bbls. c/l wks. ... : 2.25 : 2.00			
112 lb kegs wks. ... : 100 lb ... : 2.25			
112 lb kegs, NY. ... : 100 lb ... : 2.50			
Bichromate, 600 lb cans wks. ... : .07% : .07%			
Cassis, c/l wks. ... : .07% : .07%			
Cassis, NY ... : ... : ...			
Bisulfite, dry powder, 500 lb bbls. wks. ... : 100 lb ... : 1.25 : 1.75			
Solution, 32-40%, 500 lb bbls. wks. ... : ... : .04 : .04%			
Bromate, 100 lb cans ... : ... : ... : 1.05			
Bromide, USP, 450 lb bbls. ... : ... : ... : 1.00			
Cases, 100 lb ... : ... : ... : 2.8			
Imp., USP, 112 lb cans ... : .22 : .24			
Caenylate, USP, 5 lb bot. 25 lb ... : ... : 5.50 : 5.75			
Carbonate, sal soda, 350 lb bbls. le/l NY ... : 100 lb 1.80 : 1.85			
Works c/l ... : 100 lb 1.00 : 1.30			
Monohydrate, 400 lb bbls. le/l ... : 100 lb ... : 2.45			
Pure photographic, 100 lb keg ... : ... : .06 : .08			

## SODIUM—(Continued)

Chlorate, 112 lb kegs, wks. ... : ... : ... : ...	.06% : .06% : .06% : .06%		
Imported, 112 lb kegs. ... : ... : ... : ...	.06% : .07		
Chloride, tech. 200 lb bags. ton 12.00 : 13.00			
C. P., 300 lb bbls. ... : ... : ... : ...	.05 : .06		
Citrate, USP, IX, 100 lb kegs. ... : ... : ... : ...	.62 : .66		
USP, VIII, 100 lb kegs. ... : ... : ... : ...	.55 : .59		
Cyanide, 96-98% 100 lb cases			
Ton lots, wks. ... : ... : ... : ...	.22		
Ton lots, wks. ... : ... : ... : ...	.22		
73-76%, 100 lb cases, wks. ... : ... : ... : ...	.19%		
125-128%, 200 lb cs. ... : ... : ... : ...	.20 : .20%		
120-125%, 200 lb cs. ... : ... : ... : ...	.17 : .17%		
Fluoride, 300 lb bbls, wks. ... : ... : ... : ...	.08% : .09%		
Imp. 350 lb bbls. ... : ... : ... : ...	.08% : .09		
Glyceroph. Cr., cry. 25 lb cans			
Powder, 25 lb tins. ... : ... : ... : ...	1.85 : 1.75		
Solution, USP 25 lb tins. ... : ... : ... : ...	1.78 : 1.80		
Hydroxide, see Soda Caustic			
Hypochlorite, Soda, 100 lb cans. ... : ... : ... : ...	.05		
14% min. 50 lb cans. 50 lb chys. ... : ... : ... : ...	.04		
Hydroxide, 200 lb bbls, rob. wks. ... : ... : ... : ...	.23 : .24		
Hypophosphate, USP, 25 lb cans			
Ton lots, wks. ... : ... : ... : ...	.70 : .75		
HYPOSULFITE, tech. pes. crys. 375 lb bbls. wks. 100 lb ... : ... : ... : ...	2.90 : 3.30		
Bbls. c/l wks. ... : 100 lb ... : ... : ... : ...	2.75		
100 lb kegs wks. ... : 100 lb ... : ... : ... : ...	3.00 : 3.60		
Imp. ... : 100 lb ... : ... : ... : ...	3.00		
Granulated, bbls. wks. ... : 100 lb ... : ... : ...	3.15 : 3.55		
Bbls. c/l wks. ... : 100 lb ... : ... : ... : ...	3.00		
Kegs wks. ... : 100 lb ... : ... : ... : ...	3.35 : 3.85		
Regular crystals ... : 100 lb ... : ... : ... : ...	2.65 : 2.90		
Iodide, USP, 25 lb jars. ... : ... : ... : ...	4.25 : 4.30		
Metanilate, 150 lb bbls. ... : ... : ... : ...	.55 : .70		
Naphthionate, 300 lb bbls. ... : ... : ... : ...	.59 : .62		
Nitrate, crude, 95% 200 lb bags. c/l NY ... : ... : ... : ...	2.52% : 2.55		
Futures, NY ... : ... : ... : ...	2.55		
Double Kened, 400 lb bbls. ... : ... : ... : ...	... : .04%		
gran. c/l wks. ... : ... : ... : ...	... : .04%		
Nitrite, 500 lb bbls. wks. ... : ... : ... : ...	.08 : .08%		
Bbls. spot, makers. ... : ... : ... : ...	... : .08%		
Imp. 650 lb cans. ... : ... : ... : ...	... : .08%		

## SODIUM—(Continued)

Ortho-Chloro-para-Tolene	Sulfate	
175 lb bbls. wks. ... : ... : ... : ...	.25 : .27	
Oxalate, neutral, 100 lb kegs. ... : ... : ... : ...	... : .39	
Perborate, 275 lb bbls. ... : ... : ... : ...	... : .23%	
Imp. 225 lb drs. ... : ... : ... : ...	.18 : .19	
Peroxide, 200 lb cases. ... : ... : ... : ...	.25 : .27	
Phosphate, di-sodium, tech 550 lb bbls. ... : ... : ... : ...	.03% : .03%	
USP, gran. 275 bbls. ... : ... : ... : ...	.07% : .07%	
Imp. gran. ... : ... : ... : ...	.05% : .06	
LSP, recrys. 275 bbls. ... : ... : ... : ...	.10 : .11	
Mono-sodium 100 lb kegs. ... : ... : ... : ...	.34 : .36	
Tri-sodium tech. c/l, bbls. ... : ... : ... : ...	.04% : .04%	
Picramate, 100 lb kegs. ... : ... : ... : ...	... : .60	
Para-Toluene Sulfonate, 175 lb bbls. ... : ... : ... : ...	... : .68	
PRUSSIATE, yellow, 250 lb bbls. ... : ... : ... : ...	... : .13	
Imp. 450 lb cans. ... : ... : ... : ...	.11 : .11%	
Pyrophosphate, 100 lb kegs. ... : ... : ... : ...	.24 : .26	
Salicylate, 100 lb kegs. ... : ... : ... : ...	.40 : .40	
Second Hand, USP, kegs. ... : ... : ... : ...	.37 : .40	
Silicate, 60° 700 lb bbls. f.a.s. NY ... : ... : ... : ...	... : 2.00	
Works, 1000 lb drums. ... : ... : ... : ...	... : 1.90	
Works, tanks ... : ... : ... : ...	... : 1.78	
40° domestic, 700 lb c/l f.e.b. wks. ... : ... : ... : ...	... : .80	
Works, 1000 lb drums. ... : ... : ... : ...	... : 1.90	
Works, tanks ... : ... : ... : ...	... : 1.75	
Spot, drums, bbls. ... : 100 lb ... : ... : ...	1.30 : 1.50	
Siliconfide, 450 lb bbls. NY. ... : ... : ... : ...	... : .06	
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls. c/l ... : ... : ... : ...	... : .03% : .05	
Sulfide, 60% solid, 650 lb drs. drs. c/l wks. ... : ... : ... : ...	... : .04% : .05	
dr. c/l wks. ... : ... : ... : ...	... : .04% : .04	
Imp. 700 lb drs. NY. ... : ... : ... : ...	... : .03% : .05	
60% broken, 650 lb drs. wks. ... : ... : ... : ...	... : .04% : .05	
Imp., 500 lb drs. NY. ... : ... : ... : ...	... : .03% : .04	
30% crys. 400 lb bbls. wks. ... : ... : ... : ...	... : .02% : .02%	
Imp., 400 lb bbls. ... : ... : ... : ...	... : .02% : .02%	
Sulfite, crys. 400 lb bbls. wks. ... : ... : ... : ...	... : .03% : .03%	
Anhydrous, 400 lb bbls. ... : ... : ... : ...	... : .09% : .10	



## SODA ASH

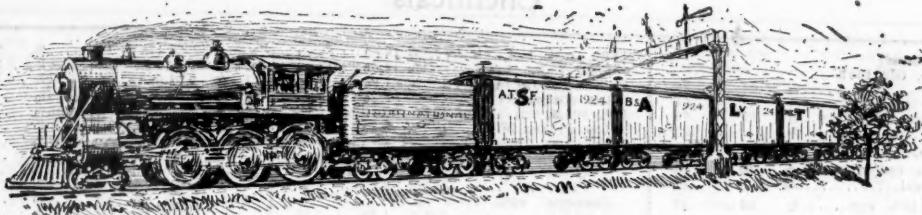
## CAUSTIC SODA

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"Distinguished for its High Test and Uniform Quality"



## Satisfaction in Salt

Why does the International Salt Company work unceasingly to give satisfaction in service as well as in product?

Because it realizes that prompt deliveries of pure salt in quantity is necessary to the effectiveness of industrial processes.

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### DIRECT IMPORTERS OF:

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Strontium  
Nitrate

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Potash  
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Permanganate

Casein

Lithopone

Soda  
Phosphate T. B.  
Prussiate

Blanc Fixe

Blue Vitriol

### ALSO PAINT MATERIALS:

Ochers, Umbers, Iron Oxide and Mineral Blacks

**ELLIS JACKSON & COMPANY**  
18 N. FRONT STREET

PHILADELPHIA

29 Broadway  
New York

Howard Building  
Providence

## Chemicals

<b>SODIUM</b> —(Continued)	
Sulfocarbonate, USP 100 lb.	
kegs.....lb. .37 : .39	
Sulfocyanide, 400 lb. bbls.....lb. .45 : .47	
Tungstate, crys. 100 lb. kegs.....lb. .60 : .65	
Anhydrous, kegs.....lb. ... : .75	
Solvent Naphtha, see Naphtha	
Spartein Sulfate, USP, 250 lb. bulk.....lb. .40 : .50	
Single or vial.....lb. ... : .37	
Starch, rice, 140 lb. bags.....lb. .09 : .10	
<b>STRONIUM</b> Bromide, USP, 100 lb.	
kegs.....lb. ... : .88	
Carb. 600 lb. bbls. whs.....lb. ... : .07	
100 lb. kegs. whs.....lb. ... : .08	
Iodide, USP, 25 lb. jars.....lb. .40 : .40	
Nitrate, 600 lb. bbls. whs.....lb. .10 : .10%	
Imp. bbls. NY.....lb. ... : .09%	
Salicylate, USP, 100 lb. kegs.....lb. ... : .75	
<b>STRYCHNINE</b> Alkaloid, USP, crys.	
1000 lb. tins.....lb. ... : .78	
Alk. powd., USP.....oz. ... : .68	
Acetate.....oz. ... : .85	
Glyceroetherinate, USP.....oz. ... : .85	
Hydrobromide.....oz. ... : .85	
Hydrochloride.....oz. ... : .85	
Hypophosphite.....oz. ... : .95	
Nitrate, USP.....oz. ... : .85	
Phosphate.....oz. ... : .85	
Sulfate, USP, crys. powd.....oz. ... : .55	
Saccharinate.....oz. ... : 1.95	
Strychnine preparations quoted base	
1000 lots in 1000 tins. Small Sizes:	
1/4 oz. vials, 500 extra; 1/4 oz. vials, 350 extra; single ounce vials. 1/4 extra. Lots of 25 oz. 5¢ higher than above schedule. Lots of less than 25 oz. 10¢ higher per oz.	
Sugar Milk USP, 200 lb. bbls.....lb. .22 : .28	
Second Hands, USP, bbls.....lb. .22 : .28	
Sulfonal, see Sulfonmethane	
Sulfonethylmethane, USP, 10 lb. bbls. lb. 3.85 : 4.05	
Sulfonmethane, USP, 10 lb. bbls. lb. 2.65 : 2.85	
<b>SULFUR</b> , crude bulk, c/l NY. ton 18.00 : 19.00	
Crude, f.o.b. mines.....ton 14.00 : 15.00	
Brimstone, 250 lb. bags, c/l 100 lb. 1.75 : 1.95	
Lam. c/l bag, NY.....100 lb. 1.85 : 2.10	
Roll, 500 lb. bbls. c/l NY. 100 lb. ... : 2.15	
Lam. c/l bags, NY.....100 lb. 2.20 : 2.45	
Flour, Heavy, 250 lb. bbls. 100 lb. 2.50 : 3.05	
Light, 100% 250 lb. bbls. 100 lb. 2.60 : 3.15	
Rubbermash, 100%, 240 lb.	
bbls. NY.....100 lb. 2.50 : 3.30	
Commercial, 99% 150 lb. bags.	
NY.....100 lb. 1.35 : 1.65	
For Dusting, 99%, 100 lb.	
bags, NY.....100 lb. 2.00 : 2.50	
Flowers, 100%, 240 lb. bbls.	
NY.....100 lb. 3.00 : 3.55	
Precipitated, 125 lb. bbls. NY. lb. .17 : .20	
Lac, 125 lb. 100 lb. NY.....lb. .31 : .39	
Sulfur Chloride, red, 700 lb. drs.	
whs.....lb. ... : .07	
150 lb. drs. whs.....lb. ... : .08	
Yellow, 700 lb. drs. whs.....lb. ... : .08	
150 lb. drs. whs.....lb. ... : .07	
Sulfur Dioxide, 100 lb. cyl.....lb. ... : .98%	
Iodide, USP, VIII, 5 lb. bot. lb. ... : 4.55	
Sulfuric Ether, see Ether	
Sulfuryl Chloride, 600 lb. drs.....lb. ... : .70	
TALC, Italian, 220 lb. bags NY. ton 47.00 : 51.00	
French, 220 lb. bgn. NY. ton 22.00 : 35.00	
Refined, white, bags.....ton 43.00 : 55.00	
Refined, white, bags.....ton 32.00 : 45.00	
Dom. crude, 100 lb. bags NY. ton 13.00 : 20.00	
Refined, 100 lb. bags NY. ton 18.00 : 20.00	
Tartar Emetic, tech. 700 lb. bbls. lb. .26 : .38	
USP, 300 lb. bbls. lb. .21 : .34	
Terpin Hydrate, USP, 100 lb. bags lb. .60 : .62	
Terpineol, CP 1000 lb. drums.....lb. .50 : .51	
Cans, 50 lb. ... : .54 : .55	
Imported, cans, 25 lb. ... : .55 : .58	
Terpenyl Acetate, 25 lb. cans.....lb. 1.65 : 1.85	
Terra Alba, No. 1, 300 lb. bbls. 100 lb. 1.85 : 1.90	
No. 2, bbls.....100 lb. 1.25 : 1.35	
Theobromine Alk., 5 lb. cans.....lb. ... : 4.10	
and Soda. Salicylate, 1 lb. bot. lb. ... : 3.42	
Thiocarbanilid, 170 lb. bbls.....lb. ... : .28 : .30	
Thymol, USP, 25 lb. tins.....lb. ... : .33 : .35	
Iodide, 5 lb. boxes.....lb. ... : 6.75 : 7.00	
TIN, Metal Straits, NY.....100 lb. ... : 53.50	
American standard, NY.....100 lb. ... : 53.00	
99% American, NY.....100 lb. ... : 52.50	
Bichloride, 50% min. 100 lb.	
bbls. whs.....lb. ... : .15%	
Crystals, 500 lb. bbls. whs.....lb. ... : .30	
100 lb. bags, whs.....lb. ... : .30%	
Oxide, 400 lb. bbls. whs.....lb. ... : .60	
100 lb. bags whs.....lb. ... : .62	
Tetrachloride, 1000 lb. drs. whs. lb. ... : .32	
Tolidine, 350 lb. bbls.....lb. ... : 1.00 : 1.10	
Toluene, 8000 gal. tank cars, whs. gal.	
110 gal. drs. whs.....gal. ... : .26	
Sulfate, 350 lb. bbls. ... : .31	
Toluuidine, Mixed, 900 lb. drs. whs. lb. ... : .10	
Triacetin, 50 gal. drs. whs. lb. ... : .48	
Tribenzophenol, 100 lb. ... : .00	
Triimal, see Sulfonethylmethane	
Triphenylbenzidine.....lb. ... : .80	
Triphenyl Phosphate, 450 lb. bbls. lb. ... : .65	
Tripoli, 500 lb. bbls. ... : 2.50 : 2.00	
Ultramarine Blue.....Wt. unit 8.75 : 9.00	
UREA, pharm. 112 lb. cans.....lb. ... : .18	
VANILLIN, USP, 50000 cans.....oz. ... : .54%	
Cans, 80 oz. ... : .88	
Cans, 16 oz. ... : .88	
Venetian Red.....lb. ... : .06	
Verdigris, see Copper Subacetate	
Vermilion, Amer. 100 lb. kegs.....lb. ... : .38	
English, kegs.....lb. ... : 1.20	
Veratrine Sulfate, 10 vials.....oz. ... : 1.85	
Hydrochloride, 10 vials.....oz. ... : 1.85	
Veronal, see Acid Diethylbarbituric	
WHITE LEAD, see lead, white.	
White Precipitate, see mercury.	
Whiting, 200 lb. bags, c/l whs. ton 14.00 : 16.00	
Bags, 10 lb. NY. ... : 22.50	
Oilders, bags, NY. ... : 13.50 : 15.00	
French, bags, NY. ... : 18.00	
English, bags, NY. ... : 23.00	
Witch Hazel Extract, 50 gal. bbls. gal. 1.30 : 1.38	

## R. W. GREEFF &amp; CO.

INCORPORATED

78 FRONT ST., NEW YORK, N. Y.

# SODIUM SULPHIDE

Fused and Broken

(Quality guaranteed)

Manufactured by

TITANIUM PIGMENT CO., Inc.

NIAGARA FALLS, N. Y.

Pure Benzol  
Pure Toluol  
Benzol 90%  
Nitration Xylol  
Commercial Xylol  
Solvent Naphtha  
Extraction Benzols  
Denaturing Benzols  
Special Fractions of  
Coal Tar Light Oils

For shipment in tank cars or  
one hundred gallon drums.

The Company

40 Rector Street New York, N. Y.

## Chemicals

		Oils			
XYLENE, 3° dist. range, nitration tks. wks. ....	gal	.45	: .50		
110gal. drs. NY. ....	gal	...	: ...		
5° dist. range, 8000gal. tanks wks. ....	gal	...	: .35	Castor, No. 1, 400lb bbls. ....	lb
110gal. drs. wks. ....	gal	...	: .40	80lb cases. ....	lb
10° dist. range, drums, wks. gal	...	.32	: .33	No. 3, bbls. ....	lb
Commercial, 110 gal. drs., wks. gal Tanks, wks. ....	gal	.32	: .33	Blown, 400lb bbls. ....	lb
Xylylne, 900lb drs. ....	lb	.40	: .45	China Wood, bbls., spot NY. ....	lb
YARA YARA, 1lb tins. ....	lb	1.75	: 2.00	8000 gal. tks. NY. ....	lb
Yohimbine Hydrochloride, 1 oz. vial. ....	oz	3.50	: 4.07	Apr., May, forward, bbls. ....	lb
ZINC, METAL, high grade, alts c/l NY. ....	100lb	...	: 8.75	China, ....	lb
Common Slabs, c/l NY. 100lb	6.75		: 6.80	Coast, tanks, Mar., forward. ....	lb
Mossy, 25lb box. NY. ....	lb	...	: .14	Manila, tanks, P. Coast. ....	lb
Ammonium Chloride, powd., 400lb bbls. ....	lb	...	: .06	Edible, bbls., NY. ....	lb
Carb. tech. 150lb kegs. NY. ....	lb	...	: .23	Cochin, 375lb bbls., NY. ....	lb
USP, 100lb kegs. ....	lb	...	: .33	Cod Newfoundland, 50 gal. bbls. gal	lb
Chloride, fused, 600lb drs. wks. ....	lb	...	: .06	Crude, 150lb kegs. ....	lb
Drs. c/l wks. ....	lb	.04 1/4	: .05	Granulated, 500lb bbls. wks. ....	lb
Imp. drs. NY. ....	lb	.04 1/4	: .05	Imp. drs. NY. ....	lb
Granulated, 500lb bbls. wks. ....	lb	...	: .07	Copra, bags. ....	lb
Imported, drs. NY. ....	lb	...	: .06 1/2	Corn, ref. 375lb bbls., NY. ....	lb
Solution, 50%, tanks wks. 100lb	2.25		: 2.50	Crude, tanks. ....	lb
USP, 25lb jars. ....	lb	.27	: .29	Bbls., NY. ....	lb
Cyanide, 100lb drs. ....	lb	.36	: .37	Cottonseed, crude tks. mills. ....	lb
Dust, 100lb tins. ....	lb	.09 1/2	: .10	P. S. Y., 100 bbl. lots NY. ....	lb
500lb bbls., kegs, c/l wks. ....	lb	...	: .09 1/2	White, 100 bbl. lots NY. ....	lb
500lb bbls., kegs, c/l wks. ....	lb	...	: .08 1/2	Winter yellow, 100 bbls., NY. ....	lb
Iodide, 5lb bots. ....	lb	...	: .52		
Nitrate, 25lb jars. ....	lb	...	: .45		
Oxide, Amer. 300lb bbls., wks. ....	lb	...	: .05 1/2	Degras, Amer. 50 gal. bbls., NY. ....	lb
Bbls. c/l wks. ....	lb	...	: .08 1/2	English, bbls., NY. ....	lb
French, 300lb bbls. wks. ....	lb	...	: .10 1/2	Neutral, bbls., NY. ....	lb
Bbl. c/l wks. ....	lb	...	: .10	Moellon, bbls., NY. ....	lb
Bags, c/l wks. ....	lb	...	: .09 1/2		
USP, 100lb bbls. c/l. ....	lb	...	: .17	Greasers, choice white, bbls., NY. ....	lb
Ton lots, wks. ....	lb	...	: .18	Yellow. ....	lb
Imported, white metal, bbls. ....	lb	...	: .18	Brown. ....	lb
Green seal, bbls. ....	lb	...	: .10	House. ....	lb
USP, 100lb bbls. ....	lb	...	: .19 1/2	Bone naphtha. ....	lb
Stearate, USP, 50lb bbls. ....	lb	...	: .22	Herring, Tanks, Coast. ....	gal
Sulfate, 400lb bbls., wks. ....	lb	...	: .08 1/2		
Bbls., c/l wks. ....	lb	...	: .03		
USP, 100lb kegs. ....	lb	...	: .05	Lard, prime steam bbls. ....	lb
Sulfocarbonate, 100lb kegs. ....	lb	...	: .32	Compound, bbls. ....	lb

W  
F  
GEORGE CHEMICALS

INCORPORATED

42 Broadway, New York City  
Telephone Broad 5-4265

Soda Ash  
Caustic Soda  
Sal Soda  
Glauber's Salt  
Tri Sodium Phosphate  
Sodium Bicarbonate  
Sodium Silicate

## WAREHOUSES:

New York, N. Y.      Syracuse, N. Y.      Albany, N. Y.  
Brooklyn, N. Y.      Utica, N. Y.      Newark, N. J.

HF &amp; G

## Antimony Oxide

The HARSHAW, FULLER  
& GOODWIN CO.

Hanna Building, Cleveland

New York  
Philadelphia  
Chicago

Cincinnati  
St. Louis  
Los Angeles

## Oils and Fertilizers

Rapeseed, refined bbls, NY	gal	.90	: .92
Blown, bbls, NY, 8 bbls	gal	...	: 1.00
Red Oil, distilled, bbls	lb	.09	: .09 1/2
Saponified, bbls	lb	.09 1/2	: .09 1/2
Tanks	lb	.08	: .08 1/2
Salmon, 3000 gal. the Coast	gal	...	: .12
Sesame, domestic edible bbls	lb	.11 1/2	: .12 1/2
Sod Oil, bbls, NY	gal	...	: .48
SOYA BEAN, crude the Coast	lb	...	: .10 1/2
Crude Tks., D.P., NY	lb	...	: .10 1/2
Crude, bbls, NY	lb	.12	: .12 1/2
Sperm, 38° c.t. blched bbls, NY, gal	...	.80	: .84
45° cold test, blched bbls, NY, gal	...	...	: .84
STERIC ACID, s.p. 200 lb. bags	lb	.11 1/2	: .12
Double pressed, bags	lb	.12	: .12 1/2
Double pressed, bags, saponified	lb	.12	: .12 1/2
Triple pressed, bags, distilled	lb	.13	: .13 1/2
Triple pressed, bags, saponified	lb	.13	: .13 1/2
Stearine, oleo, bbls	lb	.00	: .00 1/2
Tallow, edible, tallow	lb	...	: .10 1/2
City, extra, loose	lb	...	: .07 1/2
Tallow Oil, acidines the, NY	lb	...	: .09 1/2
Bbls, c.t. NY	lb	...	: .11 1/2
Walnut, crude bbls, NY	lb	...	: .12
Whale, nat. winter bbls, NY	gal	...	: .77
Blched. winter bbls, NY	gal	...	: .81
Extra Blched. bbls, NY	gal	...	: .82
Crude, No. 1, tanks Coast	gal	...	: .82
Crude, No. 2, tanks Coast	gal	...	: .82
Crude, No. 3, tanks Coast	gal	...	: .82

## Fertilizer Materials

Ammon. Sulf., bulk whs	100 lb	2.90	: 3.00
Double, bgs, f.s.s. NY	100 lb	2.85	: 2.95
Single bags, whs	100 lb	...	: 3.15
Blood, dried f.o.b. NY	unit	2.50	: 3.75
Bone, 3 & 50 ground steamed	ton	20.00	: 23.00
Raw, Chicago	ton	...	: 28.00
Cyanamide whs	unit	2.10	: 2.20
Fish Scrap, dried whs	unit	4.50	: .10
acid, Bulk, 7 & 3%, whs	unit	3.25	: .10

NITRATE SODA, NY	100 lb	2.52 1/2	: 2.55
Phosphate Rock, f.o.b. mines	ton	...	: .22
Florida Pebble, 68%	ton	...	: 2.50
Florida Pebble, 70%	ton	...	: 3.75
Florida Pebble, 75-74%	ton	...	: 5.50
Tennessee, 72%	ton	...	: 7.22
Phosphate Acid, 16% Bulk whs, ton	7.50	...	: 8.00

PECTAS			
Pot. Chloride, 80% basis, bgs, ton	...	34.55	
Pot. Sulfate, 90% basis, bgs, ton	...	45.85	
Dbl. Manure Salts, 48% basis bgs	ton	...	: 26.35
Manure Salts, 30% basis, bulk, ton	...	16.03	
Manure Salts, 20% basis, bulk, ton	...	10.55	
Kainite, 12.4% basis, bulk, ton	...	7.22	
Bulk in bags, \$2.00 extra.			
Discounts, 1% to 10% as to quantity.			
Prices c.i.f. Atlantic & Gulf Ports.			
Steamed Bone Meal	ton	30.00	: 31.00
Tankage, ground, NY	unit	2.75	: .10
High grade f.o.b. Chicago	unit	2.75	: .10

## Naval Stores

(Carried ex-yard N. Y.)			
Spirits Turpentine, bbls	gal	...	: 1.03
Wood Turpentine, stn. distd. bbls	gal	...	: .90
Destructive distilled, bbls	gal	.65	: .68
Pine Oil, stn. distd. bbls	gal	...	: .63
Pitch, prime	bbl	...	: 6.00
Roxins, (Soil in 600 lb. bbls, gross for net, quotations based on a unit of 280 lb.)			
B	280 lb	...	: 5.65
D	280 lb	...	: 5.70
E	280 lb	...	: 5.70
F	280 lb	...	: 5.70
G	280 lb	...	: 5.70
H	280 lb	...	: 5.70
I	280 lb	...	: 5.70
K	280 lb	...	: 5.75
M	280 lb	...	: 5.80
N	280 lb	...	: 6.00
WG	280 lb	...	: 6.95
WW	280 lb	...	: 7.35

Rosin Oil, first run, 50 gal. bbls	gal	...	: .42
Second run, bbls	gal	...	: .48
Tar, kiln-burnt	bbl	...	: 11.00
Retort	bbl	...	: 11.00

## Woods

Barwood, chips	b	.04 1/2	: .05
Camwood, chips	b	.09	: .13
Divi Divi, pods 100-200 lb.	bags	ton	: 39.00 : 41.00
Fustic, sticks	ton	30.00	: 32.00
Chips	b	.04	: .05
Hemlock, bark	ton	...	: 20.00
Hypernic, chips	b	.04 1/2	: .07
LDGWOOD, sticks	ton	23.00	: 27.00
Chips 150 lb. bags	ton	.03	: .03 1/2
Mangrove bark, African	ton	34.00	: 36.00
Bark, South American	ton	25.00	: 30.00
Myrobalans, 150 lb. bags	JL	ton	: 36.00 : 38.00
JL	ton	32.00	: 33.00
Nutgalls, see Crude Drugs.			
Oak bark, whole	ton	20.00	: 23.00
Ground	ton	...	: 25.00
Quercitron bark, rough	ton	...	: 10.00
Ground	ton	20.00	: 25.00
Sumac, Sicily, 160 lb. bags	ton	135.00	: 140.00
Virginia, 150 lb. bags	ton	40.00	: 45.00
Valonia Cupa, 28-33% tan.	ton	32.00	: 34.00
Bark, 40% tan, 150 lb. bags	ton	44.00	: 48.00
Wattle bark, 150 lb. bags	ton	37.00	: 39.00

## Extracts

Range of prices includes quality range for large quantity.			
Annnite, fine	b	.36	: .39
Archil, double 600 lb. bbls	b	.13	: .15
Triple, 600 lb. bbls	b	.14	: .16
Conc., 600 lb. bbls	b	.15	: .17

CHEMICAL  
SEABOARD  
COMPANY

## Methanol

(Wood Alcohol)

## Acetic Acid

(All Grades)

## Acetate of Lime

Seaboard Chemical Co.

30 CHURCH STREET

NEW YORK

Telephone Cortland 1027-5519 Cables Seaboard, N.Y.

## Nitrate of Soda

Chilean Nitrate Committee

DR. W. S. MYERS, Director

U. S. Delegation

25 MADISON AVE.

NEW YORK

GEORGE UHE

## BROKERS

NEW YORK

## Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. lb.	.01%	.01%	Osage Orange, 51° liquid.....lb.	.07	: .08
Bbls., wks. ....	.02%	.03	Powd. 100 lb bags.....lb.	.14	: .15
Powd., 60% 100 lb bbls., wks. lb.	.05%	.05%	Persian Berries .....lb.	.27	: .30
Decolorized, bbls., wks. ....	.08	: .09	QUEBRACHO, 35% liquid tka. ....lb.	.03	: .03%
Cudbear, English .....lb.	.15	: .16	450 lb bbls. ....lb.	.03%	: .04
Cutch, Rangoon, 100 lb bales....lb.	.15	: .16	35% bleaching, 450 lb bbls. ....lb.	.04%	: .05%
Borneo, solid, 100 lb bales....lb.	.04%	: .05%	Solid, 65% 100 lb bales....lb.	.04%	: .05
Liquid, 450 lb bbls. ....lb.	.07%	: .11	Clarified bales .....lb.	....	: .05
Tapioca, 120 lb boxes....lb.	.13	: .14	Quercitron, 51° 450 lb bbls. ....lb.	.06%	: .07%
Flaxine .....lb.	.99	: .95	Powdered, 100 lb boxes....lb.	.09	: .13
Fustic, solid 50 lb boxes....lb.	.20	: .22	Spruce, 25% liquid tanks wks. ....lb.	.01	: .01%
Crystals, 100 lb boxes....lb.	.20	: .22	Powd. 50% 100 lb bags wks. ....lb.	.02	: .02%
Liquid, 51°, 600 lb bbls....lb.	.10	: .12	Sumac, liquid 450 lb bbls. ....lb.	.07	: .08
Gall extract .....lb.	.16	: .18	Stainless, 600 lb bbls. ....lb.	.10	: .11
Gambier, 25% liq. 450 lb bbls. ....lb.	.10%	: .12	DYERS' SUBSTANCES		
Common, 200 lb cases....lb.	.10%	: .11	Albumen, technical, eggs 200 lb cs. ....lb.	....	: 1.35
Singapore cubes, 150 lb bags....lb.	.18	: .19	Blood, 100 lb drs.....lb.	.40	: .45
HEMATINE, Paste, 500 lb bbls....lb.	.11	: .12	Spray York, 150 lb cs.....lb.	.45	: .65
Crystals, 400 lb bbls. ....lb.	.12	: .20	British Gum, 140 lb bags c/l 100 lb	.49	: 4.24
Hemlock, 25% 600 lb bbls. wks. ....lb.	.03%	: .08%	Eggs, lc/l .....lb.	100 lb	4.59 : 4.45
Hypernic, 51°, 600 lb bbls....lb.	.15	: .16	Dextrin, corn 140 lb bags c/l 100 lb	....	: 2.74
Indigo, Madras bbls. ....lb.	.85	: .90	Bags, lc/l .....lb.	100 lb	.... : 3.84
Manila, bbls. ....lb.	....	: 1.30	Yellow, bags c/l.....lb.	100 lb	.... : 3.79
Larch, 25%, 600 lb bbls., wks. ....lb.	.03%	: .08%	Potato, 220 lb bags c/l. ....lb.	....	: 0.7%
Powd. 100 lb bags, wks. ....lb.	.07%	: .08	Bags, lc/l .....lb.	100 lb	.... : 0.8%
Logwood, 51°, 600 lb bbls....lb.	....	: 10.12	Yellow, 220 lb bags: ....lb.	....	: .08
Lower grades .....lb.	.07	: .09	Tapioca, 200 lb bags, lc/l. ....lb.	.09%	: .10%
Solid, 50 lb boxes....lb.	.09	: .15	Prussian blue .....lb.	....	: .62
Madder, Dutch .....lb.	.28	: .30	Sago Flour, 150 lb bags....lb.	.04%	: .05
Mangrove, 55% 400 lb bbls....lb.	.04%	: .05	STARCH, powd. 140 lb bags c/l 100 lb	....	: 3.27
Myrobalans, 25% liquid bbls....lb.	.04	: .05	Bags, lc/l .....lb.	100 lb	.... : 3.37
50% solid, 50 lb boxes....lb.	.04%	: .05	Pearl, 140 lb bags c/l. ....lb.	....	: 3.17
Oak, tanks wks. ....lb.	.04	: .04%	Bags, lc/l .....lb.	100 lb	.... : 3.27
23-25% liq. 600 lb bbls. wks. ....lb.	.05	: .05%	Potato, domestic, 200 lb bags. ....lb.	.05%	: .06
			Imported, bags duty paid. ....lb.	.06	: .06%
			Tapioca Flour, high grade bags....lb.	.07%	: .08
			Medium grade bags ....lb.	.05%	: .06
			Low grade, bags ....lb.	.04	: .04%
			Turkey Red Oil, bbls. ....lb.	.11	: .12
			Yolk Oil, bbls. ....lb.	....	: .35

## Crude Drugs

Acetoides Gum, yel. ....lb.	....	....	.18	: .20
ACONITE Leaves, bales. ....lb.	....	....	.14	: .16
Root, USP, bags. ....lb.	....	....	.45	: .47
Agar Agar, 1, 200 lb bales....lb.	....	....	1.47	: 1.50
No. 2, bales. ....lb.	....	....	....	: 1.45
No. 3, bales. ....lb.	....	....	....	: 1.40
Garlic, white, cases .....lb.	....	....	....	: 4.00
Almonds, bitter bags. ....lb.	....	....	.32	: .35
Sweet, bags. ....lb.	....	....	.45	: .45
Meal, tins, boxes. ....lb.	....	....	.28	: .29
Altritis Root, bags. ....lb.	....	....	.53	: .55
Alkanet Root, bags. ....lb.	....	....	.08	: .06%
Aloes, Barbadoes, 120 lb bbls. ....lb.	....	....	.65	: .70
Cape, 400 lb cases. ....lb.	....	....	.08%	: .09
Curacao, 100 lb cases. ....lb.	....	....	.10	: .11
Scotrine, whole 100 lb cs. ....lb.	....	....	.30	: .32
Althaea Root, cut cases. ....lb.	....	....	.23	: .25
Whole bags. ....lb.	....	....	.09	: .10
Ambergis, black boxes. ....lb.	....	....	....	: 8.00
Grey, boxes. ....lb.	....	....	....	: 28.00
Ammoniac, tears, bags. ....lb.	....	....	.85	: .86
Angelica Root, dom. bags. ....lb.	....	....	.14	: .15
Angostura Bark, bags. ....lb.	....	....	.08	: .10
Anise, Levant bags. ....lb.	....	....	.15	: .16
Russian, bags. ....lb.	....	....	.14	: .15
Star, cases. ....lb.	....	....	.13%	: .14
Spanish, bags. ....lb.	....	....	.15	: .15%
Anemone Seed, 200 lb bags. ....lb.	....	....	.24	: .25
ARABIC GUM, ....lb.	....	....		
White, No. 1, 200 lb bags....lb.	....	....	.21	: .23
Seconds, 250 lb bags....lb.	....	....	.20	: .22
Sorts, amber, 200 lb bags. ....lb.	....	....	.14	: .14%
Powd., USP, 300 lb bbls. ....lb.	....	....	.19	: .20
Arecia Nuts, 150 lb bags. ....lb.	....	....	....	: .09
Powd., 200 lb bbls. ....lb.	....	....	....	: .13
Anemone Flowers, bales. ....lb.	....	....	.11	: .12
Root, Bags. ....lb.	....	....	.25	: .35
Arrowroot, Amer., powd. bbls. ....lb.	....	....	.06%	: .09%
St. Vincent, powd. bbls. ....lb.	....	....	.15	: .16
Asafoetida, USP, 250 lb cases....lb.	....	....	.20	: .21
Powd. 50 lb bxs. ....lb.	....	....	.40	: .43
BALM GILEAD BUDS, bags. ....lb.	....	....	.45	: .50
Balmoney Herb, bales. ....lb.	....	....	....	: .14

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## Crude Drugs

<b>SALSANS</b>								
Coparia, Para, 80 lb. bales	.26	.30	Cannabis, true imp. bales	4.50	5.00	Cloves, Zanzibar, 135 lb. bales	.29%	.30%
South American, 80 lb. bales	.32	.34	American (no assay) bales	.50	.55	Amboyna, bales	...	.88
Fir Canada, cans	12.50	12.80	USP	1.70	1.85	Penang, bales	...	.65
Oregon, bals. cans	1.35	1.40	Cantharides, Chinese cases	.90	.95	Cochinchin, USP, boxes	.35	.37
Peru, 120 lb. cases	1.90	2.00	Powdered, boxes	1.05	1.10	Coca Leaves, Huamico bags	...	
Tolu, 90 lb. cases	1.70	1.80	Cantharides, Russian, cases	.90	.95	Truxillo, bags	...	.55
Bamboo Brier Root, bags	.05%	.06	Powdered, boxes	1.05	1.10	Cohon Root, Black bags	.11	.12
Barberry Bark, tree bales	.12	.14	Caraway Seed, African, bags	.24	.25	Blue, bags	.14	.15
Root, bags	.80	.90	Dutch, 110 lb. bags	.25	.26	Calochicum Root, bags	.08	.09
Bayberry Bark, bales	.09	.10	Cardamom, bleach cases	1.50	2.00	Seed, bags	.10	.11
Wax, bals.	.20	.22	Decorticated, cases	1.55	1.65	Colombia Root, whole bags	.02%	.03
Belladonna Leaves, bales	.28	.30	Green, grinding, bags	1.20	1.30	Coleosynth, apples, cases, bales	.17	.22
Root, bags	.12	13%	Carica Wax, Flor. bags	.53	.55	Pulp, USP, bales	.33	.35
Peew Wax, white, bals.	.37	.39	No. 1 N. Country bags	.36	.40	Cotifoot Leaves, bags	.06	.07
Yellow, refined, bals.	.24	.26	No. 2 N. Country bags	.26	.28	Comfrey Root, bags	.13	.14
Crude, bags	.21	.22	No. 3 Fatty Gray, bags	.20	.21	Condurango Bark, bales	.30	.35
Benzoin Gum, Siam, bals.	1.30	1.35	Cascara Amarca, 150 lb. bales	.25	.27	Conium Seeds, bags	...	
Sumatra, 80 lb. boxes	.27	.28	Cascara Sagrada, bals., Old	.29	.31	Copiba Balsam Para, see Balsams	...	.16
Berberis Aquifolium Root, bags	.14	.15	New	.28	.30	Copal Gum	.12	13%
Beth Root, bags	.30	.32	Cascara Bark, quills bales	.36	.40	Coriander Seed, Bombay bags	.08	.09
Blackshrub Bark, root, bales	.38	.40	Siftings, bals.	.20	.25	Madagore, bags	.11	11%
Tree, bales	.22	.24	Cassia Bud, 66 lb. cases	.11%	.12	Morocco, bags	.11	11%
Blood Root, bags	.15	.16	China, Whole Roots, cases	.10%	.10%	Bleached, bags	.15	15%
Bluesting Root, bags	.23	.25	Saigon, assort. bales	.24	.29	Corn Silk, bales	.05%	.06
Bolde Leaves, bales	.20	.21	Cassia Fistula, baskets	.10	.11	Cotton Root Bark, bales	.13	.15
Bonnet Herb, bales	.07%	.09	Caster Beans, bags	.03	.03%	Cramp Bark, so-called bales	...	.68
Borage Flowers, bales	.18	.20	Castoreum, 1 lb. bot.	4.00	4.50	True, bags	.38	.40
Bryonia Root, bags	.09	.10	Catchu Gum, bags	.09	.10	Cranesbill Root, bags	.10	.11
<b>BUCHU LEAVES, short, 250lb</b>			Catnip Herb, bales	.15	.17	CUBEB BERRIES, XX bags	.70	.75
bales	.75	.78	Celery Seed, 220 lb. bags	.34	.35	Powdered, boxes	.75	.78
Leaf, bales	.84	.86	Cerisian Wax, white bags	.09%	.10	Culvers Root, bags	.30	.32
Long, bales	...	4.4	Yellow, 200 lb. bags	.09	.10	Cumin Seed, Levant bags	.27	.28
Buckthorn Bark, bags	.07	.08	CHAMOMILE FLOWERS, Roman			Morocco, bags	.27	.29
Burdock Root, bags	.16	.18	bales	.75	.80	Cutifith Bone, Trilete, straps	13%	.14
Burgundy Pitch, dom. 110 lb. stands			Hung. cases bales	.07%	.08	Jewelers, large, straps	...	.55
Gross for net			Charcoal Willow, powd. bals.	.06	.06%	Small, straps	...	.35
Calabar Beans, bags	.12	.14	Wood, powd. bals.	.04	.05	French, straps	.15	.16
Calamus Root, baled cases	.35	.38	Chestnut Bark, bags	.07	.09	Powdered, boxes	...	.13
Unbleached, bags	.07%	.08	Herb, bales	.06	.06%	Broken, boxes	.07	.07%
Calendula Petals, imp. bales	...		Chile Gum, bags	.75	1.00	Damar Gum, 136 lb. cases	.24	.25
Calizaya Bark, bales, powd.	.27	.30	Chiricita, bales	.10	.12	Bambara Leaves, bales	.15	.16
Camphor, see Chemicals			Cinchona Bark, red quills bales	.43	.50	Dandelion Root, Imp., bags	.37	.39
Canary Seed, Morocco bags	.07	.07%	Broken, bales, East Indian	.23	.25	Deer Tongue Leaves, bales	.09	.10
South American, bags			Ceylon, Broken, bales	.15	.20	Digitalis Leaves, bales	.07%	.08
Candellia Wax, bags	.23	.25	Civet, Abyssin horns	2.75	3.75	Dill Seed, bags	.08%	.09
Canella Alba, Park, bales	.51	.52	Clover Tops, bags	.25	.27			

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## Crude Drugs

Dogwood Bark, Jamaica bags	lb .10	.11	Grindelia Robusta Herb, bales	lb .09	.09 1/2	LADY SLIPPER ROOT, bags	lb .51	.65
American, bales	lb .08	.09	Guaiac Gum, 80 lb cases	lb .27	.29	Larkspur Seed, tags	lb 1.15	1.20
Dogrose Root, USP, cut bags	lb .12	.14	Guanaro, tins, cases	lb .65	.75	Laurel Leaves, bales	lb .04%	.05
Dragons Blood, mass cases	lb .45	.50	GUM, see Arabic Gum, etc.			Lavender Flowers, ordinary	lb .30	.33
Reeds, boxes	lb 1.05	1.10	HELLEBORE ROOT,			Selected	lb .35	.38
ECHINACEA ROOT, bags	lb .28	.30	Black, bbls	lb .08	.10	Leeches, tubs	Per 100	6.00
Elaeocarpus Root, bags	lb .09	.10	Powdered	lb .15	.17	Lemon Peel, bags	lb .09	.10
Elder Flowers, bags	lb .14	.16	White, Powd. 250 lb bbls	lb .15	.16	Licorice Root, Russian whole	lb .07 1/2	.08
Elephant Gum, 80 lb cases	lb .10	.11	Heonias Root, (unicorn false)			Spanish, natural bales	lb .09	.09 1/2
Elm Bark, select 5 lb bundles cases	lb .27	.28	bags	lb .86	.88	Powdered, bbls	lb .16	.18
Grinding, bags	lb .13	.15	Hemp Seed, Manchurian bags	lb .05	.05 1/2	Selected, 2 & 5 lb bundles	lb .07	.07 1/2
Powdered, bbls	lb .23	.24	Chilian bags	lb .35	.37	Cuttings, 125 lb bags	lb .07	.07 1/2
ERGOT, 150-200 lb bags	lb .33	.35	Hemp Leaves, bales	lb .10	.11	Greek, 150 lb bales	lb .03	.03 1/2
Eucalyptus Leaves, bales	lb .05		Henna Leaves, bales	lb .14	.15	Life Everlasting Roots, bales	lb .05	.06
Euphorbia Pilulifer Herb, bags	lb .15	.17	Powdered	lb .14	.15	Lime Juice, clarified bbls	gal .50	.60
Euphorbium Gum, cases	lb .32	.33	Honey, Calif., 120 lb cases	lb .11 1/2	.12	Linseed Flowers, with leaves, bales	lb .11	.12
Powdered, boxes	lb .40		Hops, N. Y. prime bales	lb .23	.25	Without Leaves, bales	lb .21	.23
Fennel Seed, French, bags	lb .15	.16	Pacific Coast prime bales	lb .20	.23	Liverwort Leaves, bales	lb .30	.32
German, bags	lb .18	.19	Horehound Herb, bales	lb .09	.10	Lobelia Herb, bales	lb .27 1/2	.28
Indian, bags	lb .12	.12 1/2	Horse-tail Rush, bags	lb .09	.15	Lobelia Seed, bags	lb .62	.65
Flax Seed, whole 180 lb bbls	ea 18.00	13.50	India Gum, see Karaya			Lovage Root, Imported bags	lb .20	.22
Ground, 180 lb bbls	lb .07 1/2	.08	INSECT FLOWERS, open whole			Lupulin, boxes	lb .115	1.20
Foennugreek Seed, 200 lb bags	lb .05 1/2	.06	Closed whole, bales	lb .07		Domestic	lb .115	1.20
Fish Berries, 100-125 lb bags	lb .03	.04	Powdered, pure 200 lb bbls	lb .63	.65	Lycopodium, 88 lb m.	lb .35	.36
Fringe Tree Bark, bags	lb .19	.20	Flowers and stems, 50 p. c.			MACE, Slaw, No. 1 cases	lb .62	.63
GALANGAL ROOT, bags	lb .08 1/2	.09	200 lb bbls	lb .38	.40	Banda, No. 1 cases	lb .65	.67
Galbanum Gum, cans	lb .80	.95	Ipecac Root, Cartagena, bags	lb 1.95	2.00	Batavia, No. 2 cases	lb .58	.59
Gambier Gum, bags	lb .09 1/2	.10	Powdered, 220 lb bbls boxes	lb 2.10	2.20	West Indian, cases	lb .58	.60
Gamboge Gum, 160 lb cases	lb .85	.90	Rio Whole, bags	lb 1.75	1.85	Malva Flowers, blue bales	lb .37	.38
Powdered, cases	lb .90		Powdered, 200 lb bbls boxes	lb 2.10	2.20	Black, bales	lb .65	.75
Geisemium Root, bags	lb .11	.11 1/2	Irish Glass, American, 130 lb es	lb .75	.85	Manna, large flake cases	lb .78	.80
Gentian Root, bags	lb .08 1/2	.09	Russian (Beluga) bns. ctns.	lb 4.00	4.50	Small flake, cases	lb .38	.39
Ginger, African, bags	lb .18	.19	Jalap Root, whole, 150 lb bags	lb .11	.12	Sorts, cases	lb .27	.28
Jamaica, grinding, bags bbls	lb .34	.38	Powdered, 250 lb bbls	lb .35	.37	Mandrake Root, bags	lb .19	.20
Japan, bags	lb .17	.17 1/2	Japan Wax, white bags	lb .38	.40	Mastic Gum, 120 lb cases	lb .60	.62
Cochin, ABC & lemon, bags	lb .24	.26	Job's Tears, white bags	lb .23	.24	Mesereon Bark, bags	lb .11	.12
Ginseng Root, cultivated, bags	lb 8.00	10.00	Juniper Berries, 125 lb bags	lb .25	.30	Matico Leaves, bales	lb .20	.22
Northwestern Wild, bags	lb 13.00	14.00	KAMALA, boxes	lb .03	.03 1/2	Marjoram Leaves, German bals.	lb .14	.20
Southern Wild, bags	lb 10.00	12.00	Karaya Gum, powdered, bbls	lb .15	.20	French, bales	lb .12	.13
Golden Seal Root, bags	lb 3.55	3.65	Kava Kava Root, bags	lb .18	.20	Millet Seed, dom. yellow bags	lb .03 1/2	.05
Powdered, boxes	lb 3.70	3.75	Kino Gum, black cases	lb .50	.55	Montan, Wax, crude bags	lb .04	.04 1/2
Grains of Paradise, bags	lb .12	.14	Kola Nuts, 150 lb bags	lb .05	.06	Bleached	lb .08	.09
			Kouso Flowers, bags	lb .00		Moss, Iceland bales	lb .10	.11
						Irish, bleached, bales	lb .10	.11
						Mullein Flowers, tins	lb 1.00	1.10

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Snake Root, Canada natural bags. lb.	.45	: .50	Tragacanth Gum, No. 1, ribbon 160 lb. cs. ....	lb.	1.25	: 1.30
Stripped, bags ..... lb.	...	: ...	No. 2 to No. 6, cases. ....	lb.	.95	: 1.25
SOAP BARK, whole, 150-200 lb. bales. .... lb.	.08	: .09	Powdered, 50 lb. boxes. ....	lb.	.75	: .95
Cut, 125-175 lb. bags. .... lb.	.09 1/4	: .10	Turkian, cases. ....	lb.	.10 1/2	: .90
Crushed, 200 lb. bbls. .... lb.	.11 1/4	: .12 1/4	Aleppy, bags. ....	lb.	.13	: .15
Powdered, 200 lb. bbls. .... lb.	.13	: .14	Powdered. ....	lb.	.15	: .16
Spearmint Leaves, American bales. lb.	.24	: .25	China, bags. ....	lb.	.95	: .10
Spermaceti, blocks cakes cases. .... lb.	.39	: .41	Turpentine, Venice, true 30 lb. cs. .... lb.	lb.	.14 1/2	: .15
Spikenard Root, bags. .... lb.	.26	: .28	Artificial, 80 lb. cases. .... lb.	lb.	.11	: .12
Spruce Gum, boxes. .... lb.	1.00	: 1.50	Spirits, see Naval Stores			
Squaw Vine, bales. .... lb.	...	: .17	UNICORN ROOT, false, see Helonias			
Stavesacre Seed, bags. .... lb.	.42	: .45	True, see Altris			
Stone Root, bags. .... lb.	.09	: .10	Uva Ursi Leaves, bales. .... lb.	lb.	.05	: .06
Storax, liquid artif. .... lb.	.70	: .75	VALERIAN ROOT, Belgian bags. .... lb.	lb.	.08 1/2	: .09
Gen. U.S.P. .... lb.	.90	: 1.00	Vanilla Beans Mex. whole cases. .... lb.	lb.	10.50	: 12.50
St. Ignatius Beans, bags. .... lb.	.22	: .23	Cuts, cases. ....	lb.	9.00	: 9.50
St. John's Bread, bags. .... lb.	.04	: .05	Bourbon, cases. ....	lb.	9.00	: 9.50
Stramonium Leaves, bales. .... lb.	.08	: .09	South American, cases. ....	lb.	6.00	: 6.25
Stramonium Seed, bags. .... lb.	.12	: .13	Tahiti, yellow label cases. ....	lb.	...	
Stramonium Seed, bags. .... lb.	.12	: .13	Violet Flowers, bags. ....	lb.	.70	: .75
Kombe, bags. .... lb.	.30	: .35	WAHOO BARK, of root bags. .... lb.	lb.	1.15	: 1.20
Sunflower Seed, domestic bags. .... lb.	.07	: .07 1/2	Of Tree, bags. ....	lb.	.40	: .42
South American, bags. .... lb.	.06	: .07 1/2	White Pine Bark, rossed, bags. .... lb.	lb.	.07 1/2	: .08
TAGALDER BARK, bags. .... lb.	...	: .05	White Poplar Bark, bags. .... lb.	lb.	.04	: .05
Tamarinds, bbls. .... lb.	...	: .06 1/2	Wild Cherry Bark, thin green			
Kegs. .... per kg. ....	...	: 3.50	Rosined, bales. ....	lb.	.16	: .17
Tansy Herb, bales. .... lb.	.24	: .26	Thick Rosed, bales. ....	lb.	.09	: .10
Tar, Barbadoes, 50 gal. bbls. .... gal.	1.60	: 1.75	Thin Natural, bales. ....	lb.	.11	: .13
Thus Gum, 280 lb. bbls. .... lb.	.05 1/2	: .06	Thick Natural, bales. ....	lb.	.07	: .08
Thyme, Spanish bales. .... lb.	.07	: .07 1/2	Willow, bark bags. ....	lb.	...	
French, bales. .... lb.	.08 1/2	: .09	White, bags. ....	lb.	...	
Tilia, see Linden			Witch Hazel Bark, bags. ....	lb.	...	
Tolu Balsam, see Balsams			Witch Hazel Leaves, bales. ....	lb.	...	
Tongo Bark, bags. .... lb.	.30	: .31	Worm Seed, American bags. ....	lb.	.08 1/2	: .09
Tonka Beans, Angostura, cases. .... lb.	2.25	: 2.35	Levant bags. ....	lb.	...	
Paras, cases. .... lb.	.75	: .80	Wormwood Herb, impeded bals. ....	lb.	...	
Surinam, cases. .... lb.	.80	: .85	Ground. ....	lb.	...	

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Almond Bltter USP 5 lb. bot. .... lb.	lb.	3.25	: 3.75
Bitter ff PA 5 lb. bots. .... lb.	lb.	3.50	: 3.75
Artificial (See Benzaldehyde—Chemicals)			
Sweet, 56 lb. cans. .... lb.	lb.	.35	: .40
Peach Kernel, 55 lb. cans. .... lb.	lb.	.24	: .28
Apricot, see Peach Kernel			
Amber, crude 25 lb. tins. .... lb.	lb.	.70	: .75
Rectified, 25 lb. tins. .... lb.	lb.	.90	: 1.00
Angelica Root, 1 lb. bot. .... lb.	lb.	38.00	: 39.00
Seed, 1 lb. bot. .... lb.	lb.	36.00	: 38.00
ANISE, Tech., 66 lb. case. .... lb.	lb.	.42	: .45
USP, 50 lb. tins. .... lb.	lb.	.45	: .50
Bay, 25 lb. tins. .... lb.	lb.	2.50	: 2.60
Bergamot, 25 lb. copper. .... lb.	lb.	3.40	: 3.60
Artificial, 25 lb. cans. .... lb.	lb.	2.00	: 2.25
Birch Tar, rect. 5 lb. bot. .... lb.	lb.	1.10	: 1.15
Crude, 50 lb. tins. .... lb.	lb.	.60	: .65
Bals. de Rose, 25 lb. tins. .... lb.	lb.	4.00	: 4.50
Caajuput, native, 50 lb. tins. .... lb.	lb.	.80	: .85
Camphor, 5 lb. bot. .... lb.	lb.	4.25	: 4.75
Camphor, heavy, 1000 lb. drums. .... lb.	lb.	1.18 1/2	: 1.44 1/2
Japanese, white, 72 lb. cases. .... lb.	lb.	1.13 1/2	: 1.15
White, 1000 lb. drums. .... lb.	lb.	.18	: .18
Cananga, native, 25 lb. tins. .... lb.	lb.	2.15	: 2.40
Rectified, 25 lb. tins. .... lb.	lb.	2.75	: 3.00
Caraway, USP. .... lb.	lb.	8.25	: 8.50
Cardamom, USP, 1 lb. bot. .... lb.	lb.	28.00	: 30.00
Citronella, 5 lb. bot. .... lb.	lb.	17.00	: 18.00
CASSIA, 80-85 p.c. 400 lb. drms. .... lb.	lb.	1.90	: 2.00
Redistilled, USP, 50 lb. cans. .... lb.	lb.	2.50	: 2.60
Cedar Leaf, 50 lb. tins. .... lb.	lb.	1.00	: 1.10
Cedar Wood, light 1000 lb. drms. .... lb.	lb.	.32	: .34
Celeri, 1 lb. bot. .... lb.	lb.	10.50	: 11.00
Cinnamon, Ceylon, 1 lb. bot. .... lb.	lb.	11.00	: 12.50
Leaf, 5 lb. bot. .... lb.	lb.	...	: 2.00
CITRONELLA, Ceylon, Schimmel Test, 1000 lb. drms. .... lb.	lb.	.80	: .85
50 lb. tins. .... lb.	lb.	.82	: .87
Pure, 1000 lb. drms. .... lb.	lb.	.85	: .95
50 lb. tins. .... lb.	lb.	.87	: .97
Java, 400 lb. drms. .... lb.	lb.	1.10	: 1.15
50 lb. tins. .... lb.	lb.	1.15	: 1.20
Claves, USP, 50 lb. cans. .... lb.	lb.	2.15	: 2.25
6 lb. bot. .... lb.	lb.	2.25	: 2.35

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## Essential Oils

Copal, USP, 50 lb tins	lb .35	.40
Coriander, USP, 1 lb bot.	lb 18.00	14.00
Croton, USP, 25 lb tins	lb 1.00	1.10
Cubeb, USP, 5 lb cans	lb 5.25	5.50
Cumin, 1 lb bot.	lb 14.00	15.00
Dill, 1 lb bot.	lb 4.25	5.00
Eriogon, 20 lb tins	lb 1.30	1.35
<b>EUCALYPTUS, Austl. USP</b>		
56 lb cts	lb .67 1/4	.70
500 lb drums	lb .85	
Fennel, USP, 25 lb tins	lb 1.00	1.05
Geranium, Algerian, 25 lb tins	lb 7.00	7.25
Bourbon, 25 lb tins	lb 6.50	6.75
Turkish, 28 lb tins	lb 4.25	4.50
Ginger, 1 lb bot.	lb 7.00	8.00
Gingergrass, 25 lb tins	lb 2.75	3.00
Hemlock, 50 lb cans	lb 1.10	1.20
Juniper Berries, USP, 25 lb tins	lb 1.80	1.40
Wood, .70		
Lavender, USP, 28 lb tins	lb 4.50	6.00
Spice, Spanish, 50 lb cans	lb .90	1.00
<b>LEMON, Ital. USP</b>	25 lb tins	lb .85
American, USP, 25 lb tins	lb .80	.85
Lemongrass, native, 50 lb cans	lb .80	.85
Limes, express, 25 lb tins	lb 1.75	1.80
Distilled, 25 lb tins	lb 1.00	1.05
Linaloe, Mex, 50 lb cans	lb 3.50	3.75
Mace, distilled, 50 lb tins	lb 1.25	1.35
Mirbane, ref. see Ar. Chemicals		
Mustard, USP, 1 lb bot.	lb . .	14.00
Artif., USP, 1 lb bot.	lb 3.75	4.00
Neroli, Bigarade, 3/4 & 1 lb bot.	lb 40.00	60.00
Potale, 1 lb bot.	lb 70.00	120.00
Artificial, 1 lb bot.	lb 10.00	25.00
Nutmeg, USP, 25 lb tins	lb 1.25	1.35
Orange, Bitter, 25 lb tins	lb 2.65	2.75
Sweet, W. Ind., 25 lb tins	lb 2.60	2.70
Italian, 25 lb cans	lb 3.20	3.50
American, 25 lb tins	lb 2.90	3.00
Distilled, 25 lb tins	lb 1.75	1.80
Origanum, 50 lb cans tech.	lb .30	.35
Parsley, 1 lb bot.	lb 3.50	4.00
Patchouli, 5 lb bot.	lb 6.00	6.50
Penroyal, dom, 25 lb tins	lb 1.90	2.25
Imported, 25 lb tins	lb 1.80	2.00
PEPPERMINT, nat, 60 lb cans	lb 3.90	3.95
Reddit, USP, 60 lb cans	lb 4.10	4.30
Petit Grain, S. Am, 25 lb tins	lb 1.75	1.85
French, 1 lb bot.	lb 7.00	8.00
Italian, 25 lb tins	lb 2.10	2.20

Pimento, 25 lb tins	lb 2.00	2.10
Pinus Sylvester, 25 lb tins	lb . .	1.75
Pumilio, USP, 25 lb tins	lb . .	2.75
Rose, Fr., 8, 16 & 32 oz. pugs. ex	lb . .	9.00
Bulg., 8, 16 & 32 oz. pugs. ex	lb 8.00	9.00
Artificial, 1 lb bot.	lb 2.00	3.00
Rosemary, USP, 27 1/2 lb tins	lb .40	.45
1000 lb drums	lb . .	.37 1/2
Tech., 27 1/2 lb tins	lb .35	.40
Rue, 1 lb bot.	lb . .	4.25
Sandalwood, E. Ind. USP, 76 lb cases	lb 6.60	6.80
W. Indian, (Amrys) 25 lb tins	lb 3.00	3.25
Sassafras, USP, 50 lb cans	lb 1.60	1.70
Artificial, 1000 lb drs, 50 lb cans	lb .36	.38
Savin, 5 lb tins	lb 2.75	3.00
Spearmint, USP, 60 lb cans	lb 2.40	2.50
Spruce, 50 lb tins	lb 1.10	1.20
Tansy Amer., 20 lb tins	lb 3.15	3.25
Tar, 50 gal. bbls	gal .25	.26
Refined, USP, 25 lb tins	lb . .	..
Thyme, red, USP, 25 lb tins	lb .95	1.00
White, USP, 25 lb tins	lb .85	.95
Toch., 110 lb drums	lb .75	.85
Vetiver, Bourbon, 1 lb bot.	lb 9.50	10.50
Java, 1 lb bot.	lb 30.00	32.00
Indian, 1 lb bot.	lb 32.00	36.00
Wine, heavy 1 lb bot.	lb . .	1.50

## WINTERGREEN

Sweet bch., 25 lb tins	lb 2.50	3.00
Southern, 25 lb tins	lb 1.85	2.00
Gaultheria, true, 25 lb tins	lb 7.00	8.00
Southern, 25 lb tins	lb 4.00	4.25
Synthetic, USP, 50 lb cases	lb . .	.47
Wormwood Bals., USP, 25 lb tins	lb 6.50	7.00
Wormwood dom, 25 lb tins	lb 3.75	4.00
Ylang Ylang Bourbon 10 lb tins	lb . .	..
No. 1	lb 7.00	9.00
No. 2	lb 8.00	8.00
Manila, 1 lb bot.	lb 28.00	35.00
Artificial, 1 lb bot.	lb 10.00	12.00

## OLEORESINS

Aspidium, USP, 1 lb bot.	lb 2.75	3.00
Capreolum, 5 lb bot.	lb 2.50	2.75
Ginger, 5 lb bot.	lb 3.25	3.50
Cubeb, USP, 1 lb bot.	lb 4.50	4.75
Malefern. See Aspidium		
Orris, 1 lb bot.	lb 15.00	18.00
Pepper, black, USP, 1 lb bot.	lb 2.50	4.00
Vanilla, 1 lb bot.	lb 12.00	14.00

## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2 lb bot.	lb 1.25	1.75
Borneol, 1 lb bot.	lb . .	3.50
CITRAL, 25 lb cans	lb 2.75	3.00
Citronellol, 1 lb bot.	lb 2.00	2.25
<b>EUCALYPTOL, USP, 25 lb cans</b>	lb .82	.85
Eugenol, USP, 25 lb cans	lb 3.25	3.50
Geraniol, Domestic, 50 lb cans	lb 3.25	3.50
Imported, 5 lb bot.	lb 4.25	5.50
Extra	lb . .	..
Iso-Eugenol, 1 lb bot.	lb 4.50	5.00
Imported	lb 5.50	6.50
Linalool, 5 lb bot.	lb 8.00	9.00
MENTHOL, 60 lb cans	lb . .	12.15
Loss cases, 5 lb cans	lb . .	12.40
Rhodinol, 1 lb bot.	lb 15.00	20.00
SAFROL, 60 lb cans	lb .48	.50
Thymol, USP, 25 lb tins	lb 3.25	3.50

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot.	lb 1.75	2.00
Acetophenone	CP, 1 lb bot.	lb 4.25
Aldehyde, C-8 (Octyl), 1 lb bot.	lb 45.00	60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.	lb 70.00	75.00
Aldehyde, C-10 (Decyl), 1 lb bot.	lb 50.00	58.00
Aldehyde, C-12 (Dodecyl), 1 lb	bot.	bot.
C-14, 1 lb bot.	lb 27.50	32.50
C-16, 1 lb bot.	lb 22.50	25.00
Amberine, see Anisic Aldehyde		
Amyl Acetate, pure, 5 gal. cans gal	gal 4.50	4.75
Amyl Butyrate, 1 lb bot.	lb 1.75	2.00
Amyl Cinnamate, 1 lb bot.	lb 4.00	4.50
Amyl Formate, 1 lb bot.	lb 1.50	1.75
Amyl Phenyl Acetate, 1 lb bot.	lb 4.50	5.00
AMYL SALICYLATE, dom, 100 lb	cts	
Imported	lb 1.45	1.50
C-16	lb 2.25	2.50
C-18	lb 22.50	25.00
Amberine, 1 lb bot.	lb 70.00	80.00
Anisic Aldehyde, 1 lb bot.	lb 3.75	4.50
Benzyl Alcohol, 1 lb bot.	lb 3.75	4.50
Benzyl Chloride, 1 lb bot.	lb 3.75	4.50
Benzyl Ether, See Ethyl Benzene		
Benzophenone, 1 lb bot.	lb 6.75	7.00
Benzyl Acetate, 100 lb cts	lb 1.55	1.75

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## Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.	1.80	1.70	Iso-Butyl Benzoate, 5 lb bot.	4.75	5.00	Skatol, 1 oz. bot.	... on	8.00	: 9.00
BENZYL BENZOATE, 5 lb bot.	1.60	1.75	Iso-Safrole, 1 lb bot. imported	5.25	5.50	Terpinyl Acetate, 25 lb cans	1.65	1.85	
Medicinal FFC	1.75	2.00	Domestic, 5 lb bot.	4.00	4.25	TERPINOL, CP, 1000 lb drums	.50	.51	
Benzyl Butyrate, C.P.	1 lb bot.	5.50	Domestic, 1 lb bot. Dom.	8.00	9.50	Cans, 50 lb	.54	.55	
Benzyl Cinnamate, 1 lb bot.	10.00	10.50	Imp., 1 lb bot.	8.50	10.00	Imported, 25 lb cans	1.20	1.30	
Benzyl Formate, 1 lb bot.	3.00	3.25	Iso-Butyl Benzoate, 1 lb bot.	13.00	14.00	VANILLIN, USP, 500 oz cans	... on	.54	
Benzyl Propionate, 1 lb bot.	5.00	5.25	Iso-Butyl Formate, 5 lb bot.	10.50	12.00	Cans, 16 oz, 80 oz	.55	.56	
Benzyl Acetate, 1 lb bot.	2.75	3.25	Methyl Acetophenone	4.75	5.00	Valerianic Ether, See Ethyl Valerate			
Bromostyrol, 25 lb bags	4.00	4.25	Skatol, 1 lb bot.	... on	1.75	Yara Yara, 1 lb cans	... on	2.00	
Butyl Anthratoate, 1 lb bot. dom.	... 16.00		METHYL ANTHRILATE dom.	1 lb bot.					
Butyric Ether, See Ethyl Butyrate			Imported	3.25	3.75	PERFUMERS' SUNDRIES			
Cinnamic Acid, 5 lb cans	3.00	3.25	Methyl Benzoate, 5 lb bot. import	4.50	5.00	Almond Meal, 25 lb cans	.28	.30	
Cinnamic Alcohol, liquid 1 lb bot.	10.00	14.00	Domestic, 5 lb bot.	2.00	2.25	Ambergris, black, lbs	... on	8.00	
Crystallizable	12.00	16.00	Domestic, 5 lb bot.	1.75	2.00	Ambergris, gray, lbs	... on	28.00	
Cinnamic Acid, 5 lb cans	3.00	3.25	Methyl Cinnamate, 1 lb bot.	3.50	3.75	Balsam Copala, Para, 80 lb cases	.25	.30	
CITRONELLOL, 1 lb bot.	8.00	12.00	Methyl Heptenone, 1 lb bot.	8.00	8.25	South American, 80 lb cases	.32	.34	
Citronellyl Acetate, 1 lb bot.	13.00	14.00	Methyl Paracresol, 1 lb bot.	8.00	9.00	Balsam Peru, 120 lb cases	1.90	2.00	
COUMARIN, 25 lb cans	3.85	4.00	Methyl Phenylacetate, 5 lb bot. dom.	3.75	4.00	Balsam Tolu, 90 lb cases	1.70	1.80	
DIETHYL PHTHALATE, 25 lb cans	.50	.55	METHYL SALICYLATE, USP 500 lb	drums		Benzoin Gum, Siam, lbs	1.15	1.20	
1000 lb drs.	.40	.45	50 lb cases	... on	.45	Castoreum, 1 lb bot.	4.00	4.50	
Dibenzoyl oxide, 25 lb tins	.85	.90	Second Hands	45	.46	Chalk, precip. light, 175 lb bbls	.04	.05	
Ethyl Acetate, pure, 5 lb bot.	.45	.50	Mirbane, rect., 1000 lb drums	12.5%	.14	Cherry Laurel Water, 5 gal cans	.15	.15	
Ethyl Benzoate, 5 lb bot.	1.85	2.00	Musk Ambrette, 1 lb cans	15.00	17.00	Civet Abyssin, born	2.75	3.75	
Ethyl Butyrate, 5 lb bot.	1.75	2.00	Musk Ketone, 1 lb cans	20.00	22.00	Labdanum, 5 lb bot.	... on	8.00	
Ethyl Caproate, 1 lb bot.	3.25	3.50	Musk Xylene, 5 lb cans	4.25	4.50	Lanolin hydros, 350 lb bbls	.31	.33	
Ethyl Cinnamate, 1 lb bot.	3.50	3.75	Nerolin, 1 lb cans	1.65	2.00	Anhydros, 350 lb bbls	.23	.24	
Ethyl Formate, 5 lb bot.	2.00	2.10	Phenanthile Ether, 1 lb bot.	1.50	2.00	Musk pods, Cabardine, tins	16.00	17.00	
Ethyl-methyl Paracresol, 1 lb bot.	3.25	3.50	Phenylacetaldehyde, Dom.	1 lb bot, 50 pc	9.50	Tonquin, tins	22.00	25.00	
Ethyl Phenylacetate, 5 lb bot.	3.75	4.00	Imported, 50 pc	8.00	10.00	Grains, Cabardine, tins	25.00	36.00	
Ethyl Propionate, 1 lb bot.	2.25	2.50	80-85 pc	15.00	18.00	Tonquin, tins	35.00	38.00	
Ethyl Valerate, 5 lb bot.	4.50	4.75	Phenylacetic Acid, 1 lb bot.	8.00	8.25	Synthetic. See Aromatic Chemicals			
Ethyl Salicylate, 5 lb bot.	3.25	3.50	Phenyl Diacetate, 1 oz. bot.	3.25	3.50	Orris Rt. Flor., powd. bbls	.09	.11	
Formic Ether, See Ethyl Formate			METHYL VINYLYLALCOHOL dom.	1 lb bot.		Verona, bbls	.08	.09	
Geranyl Acetate, 1 lb bot.	6.50	7.00	Imported	8.00	9.00	Petroleum, snow white, 350 lb bbls	.13	.13	
Geranyl Butyrate, 1 lb bot.	13.00	13.50	Phenylethyl Butyrate, 1 lb bot.	26.00	28.00	Light Amber, 350 lb bbls	.04	.05	
Geranyl Formate, 1 lb bot.	12.00	12.50	Phenylethyl Formate, 1 lb bot.	19.00	21.00	Rice Starch, 140 lb bags	.09	.10	
Hydrocinnonellal, 1 lb bot.	15.00	18.00	Phenylethyl Propionate, 1 lb bot.	20.00	24.00	Rose Water, 6-3 gal clys	1.00	1.25	
Heptotropin, dom., 10 lb bot.	1.85	2.00	Phenylethyl Valerate, 1 lb bot.	25.00	29.00	Sandalwood chips, powd. bags	.30	.35	
Imported	2.50	2.75	Phenylpropylalcohol, 1 lb bot.	15.00	16.00	Sapponin, 5 lb tins	1.25	1.50	
Iodo, CP, 1 oz. bot.	6.00	6.50			Talc Italian, 220 lb bags	ton 42.00	55.00		
Iozone, 1 lb bot.	5.00	6.00			Talc French, 220 lb bags	ton 32.00	45.00		
Alpha	10.00	12.00			Talc, domestic ref., 100 lb bags	ton 20.00	30.00		
Beta	9.00	11.00							
Methyl	13.50	15.00							

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## Imports of Chemicals, Dyestuffs, Drugs, etc.

### Imports at New York March 15 to March 22

**ACIDS**—**Benzoin**, 3 cs., H. J. Baker & Bro., London; **Arsenic**, 424 bbls., Brandeis & Goldschmidt & Co., Piraeus; 100 cs., G. Morgan Graw & Co., Kobe; **Citric**, 4 bbls., Sutherland Intern. Despatch, London; **Oxalic**, 16 cks., R. W. Greeff & Co., Rotterdam; 31 cks., Order, Rotterdam; **Tartaric**, 50 kegs, Order, London; 3 cs., H. Marks, Marseilles; 2 bbls., Intern. Despatch, London

**AGAR AGAR**—15 bbls., T. M. Duche & Sons Co., Kobe; 19 bbls., Shima Trdg. Co., Kobe; 30 bbls., Shima Trdg. Co., Osaka

**ALBUMEN**—**Egg**, 36 cs., A. Klipstein & Co., Hankow

**ALCOHOL**—39 cs., A. H. Smith, Havre

**ALKALI**—40 cs., Yat Gau Min Co., Hongkong

**ALOES**—30 cs., Selma Merc. Corp., Curacao; 181 cs., Suzuki & Whitney, Curacao

**AMMONIUM**—10 cs., Order, Liverpool; **Carbonate**, 10 cks., Order, Liverpool; **Chloride**, 20 cs., Wing & Evans, Liverpool

**ARSENIC**—160 cs., Frazer & Co., Kobe; 116 bbls., Order, Antwerp; **White**, 200 cs., Iron Exchange Bk., Kobe; 100 cs., Suzuki & Co., Kobe; 600 cs., J. D. Lewis & Co., Kobe; 500 cs., Tahata & Co., Kobe; 400 cs., Brown Bros. & Co., Kobe; 378 cs., J. D. Lewis, Kobe

**BALSAM**—90 cs., Nat. City Bk., Para; 28 cs., Order, Para; 10 cs., Ultramarine Corp., Acajutla

**BARKS**—3,765 bgs., Tannin Corp., Durban; **Cinchona**, 179 bbls., Amer. Exp. Co., Colombo; **Wattle**, 2,349 bgs., Standard Bk. of So. Africa, Durban; 602 bgs., Irving Bk., Durban; 678 bgs., 1,620 bgs., Order, Durban

**BARYTES**—550,000 kilos, Ore & Chem. Corp., Rotterdam

**BONE BLACK**—900 bgs., Pomeroy & Fischer, Bordeaux

**CALCIUM**—**Phosphate**, 3 cks., C. B. Chrystal & Co., Hull

**CAMPHOR**—200 cs., Hetherman & Co., Shanghai; 10 cs., Order, Kobe; 300 cs., Hetherman & Co., Shanghai

**CASEIN**—3,240 bgs., Kalbfleisch Corp., Buenos Aires

**CLAY**—**Burnt**, 560 bgs., H. A. Robinson & Co., Hull

**COLORS**—3 drs., 2 cks., 1 cse., Amer. Exch. Nat. Bk., Antwerp; 6 cks., Irving Bk., Antwerp; 1 bbl., Order, Antwerp; 3 cs., L. Uhlfelder & Co., Bremerhaven; 11 cs., Ciba Co., Havre; 8 bbls., Carbic Color & Chem. Co., Havre; 4 cks., J. McNulty, Liverpool; 2 cs., B. F. Drakenfeld & Co., Liverpool; 5 cks., Order, Liverpool; 20 cks., Order, Hamburg; 8 cks., Franklin Imp. & Exp. Co., Hamburg; **Bronze**, 4 cs., B. F. Drakenfeld & Co., Bremen; **Bronze Powder**, 20 cs., Gerstendorfer Bros., Bremerhaven; 18 cs., Hensel Bruckmann & Lorbacher, Bremerhaven; 5 cs., L. Uhlfelder & Co., Bremerhaven; 8 cs., B. F. Drakenfeld & Co., Bremen; **Coal Tar**, 20 drs., Amer. Cell Chem. Mfg. Co., Liverpool; 3 cks., Irving Bk., Hamburg; 2 cks., Equit. Trust Co., Hamburg; **Earth**, 15 cks., Meteor Products Co., Liverpool

**COPPER**—**Vitriol**, 150 cks., Order, Hamburg

**DIVI DIVI**—150 bgs., Cordillera Comm. Co., Puerto Plata; 683 bgs., Eggers & Heinlein, Pampatar

**EXTRACTS**—**Logwood**, 10 cks., J. Campbell & Co., Kingston; **Quesbracho**, 1,973 bgs., Nat. Bk. of Commerce, Buenos Aires

**FLOWERS**—**Arnica**, 16 bbls., Banque Belge Pour l'Etranger, Antwerp; **Belax**, 7 bbls., Banque Belge Pour l'Etranger, Antwerp; **Lavender**, 5 bgs., Nickels Rowland & Co., Marseilles; **Pyrethrum**, 100 bbls., Shima Trdg. Co., Kobe

**GALLNUTS**—200 cs., Zinsser & Co., Hankow

**GELATINE**—7 cs., Amer. Exp. Co., Liver-pool

**GLUE**—8 cks., Wessel Nickel & Gross, Antwerp; 300 bgs., Order, Havre; 400 bgs., Baring Bros. & Co., Antwerp; **Fish**, 25 bbls., Order, Aberdeen

**GLUESTOCK**—250 bbls., Order, Genoa; 203 bbls., Order, Constantinople

**GLYCERIN**—20 drs., Brown Bros. & Co., Hamburg

**GUMS**—29 bgs., Order, Marseilles; 7 cs., G. Lueders & Co., Havre; 50 bbls., Nat. Gum & Mica Co., Havre; 51 cs., A. & M. Karagheusian, Calcutta; 100 cs., Order, Port Said; **Arabic**, 200 bgs., Order, London; **Chicle**, 7 bgs., H. Triest & Co., Vera Cruz; 210 bgs., Chicle Development Co., Belize; 700 bgs., Artenius Ward, Belize; **Copal**, 110 bgs., W. Schall & Co., Antwerp; 503 pgs., Chem. Nat. Bk., Antwerp; 1,042 bgs., Order, Antwerp; 13 bgs., Williams Shpg. Agency, Liverpool; 744 bgs., Order, Antwerp; **Damar**, 200 cs., Chem. Nat. Bk., Batavia; **Ghatti**, 10 bgs., Order, Bombay; **Karaya**, 14 cs., Order, Calcutta; **Kauri**, 25 cs., Davies Turner & Co., London; **Mastic**, 20 cs., G. Hadjimanolis & Co., Chios; 10 cs., O. B. Maratsos, Chios; 11 cs., Stamoulis Bros., Chios; 20 cs., Order, Chios; **Perilla**, 265 bbls., W. Wrigley, Jr. & Co., Puerto Colombia; **Sandarac**, 30 bgs., R. Hillier, Hamburg; 7 bgs., D. F. Young, London

**HERBS**—9 bgs., 1 cse., Lehn & Fink, Ham-burg

**IRON POWDER**, 2 cs., Mallinckrodt Chem. Wks., Bremen

**IRON OXIDE**—10 cks., Scott Libby Corp., Liverpool; 10 cks., J. McNulty, Liverpool; 10 cks., Order, Liverpool; 13 cks., Bank of America, Liverpool

## GERANIOL

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St. Louis, U.S.A. NEW YORK CHICAGO

**LEAVES**—14 lbs., J. H. Forbes Tea Co., Marseilles; 14 lbs., Evans Co., Marseilles; Buchu, 15 lbs., Order, Cape Town; **Digitalis**, 5 cks., Lehr & Fink, London; **Eucalyptus**, 12 lbs., Banque Belge Pour l'Etranger, Antwerp; **Thyme**, 20 lbs., Order, Marseilles.

**LEECHES**—6 cks., Midwood Chem. Co., Bordeau.

**LICORICE**—35 cks., Order, Marseilles; **Powder**, 20 cks., Order, Marseilles.

**MAGNESIUM**—**Carbonate**, 2 cks., Yardley & Co., London; **Chloride**, 333 drs., Brown Bros. & Co., Hamburg.

**MENTHOL**—25 cks., F. A. Cundill & Co., Kobe; 10 cks., J. D. Lewis, Kobe; 25 cks., S. W. Bridges, Kobe; 1 cse., H. J. Baker & Bro., London.

**MINERAL WHITE**—100 bgs., Whittaker Clarke & Daniels, Hull.

**MYROBALANS**—2,272 bgs., Order, Calcutta; 2,153 pkts., Asia Banking Corp., Calcutta; 6,263 pkts., Nat. City Bank, Calcutta.

**NAPHTHALENE**—967 bgs., Order, Antwerp.

**OILS**—**Coconut**, 1,370,420 lbs., Spencer Kellogg & Sons, Manila; **Cod**, 100 bbls., Bowring & Co., Aberdeen; 100 bbls., Order, Aberdeen; 100 bbls., Chem. Nat. Bk., Hull; 185 bbls., Order, Hull; 150 cks., F. S. Walton & Co., St. Johns; **Codliver**, 40 bbls., Mead Johnson & Co., St. Johns; **Olive**, 100 bbls., Lazard Freres, Genoa; 1,000 cks., F. Romeo & Co., Genoa; 325 bbls., Order, Patras; 300 cks., J. P. Smith & Co., Marseilles; 100 bbls., J. Alcan Co., Marseilles; 100 cks., Irving Bank, Marseilles; 200 cks., Lazard Freres, Marseilles; 100 cks., Gallagher & Acher, Palermo; 150 cks., M. Guarini, Naples; **Palm**, 12 cks., Lzor Bros. Co., Liverpool; 78 cks., Standard Bk. of So. Africa, Liverpool; **Kernel**, 200 bbls., Order, Hull; **Peanut**, 50 cks., Yat Gau Min Co., Hongkong; **Rape**, 25 bbls., Balfour Williamson & Co., Hull; 450 bbls., J. C. Francesconi, Hull; 475 bbls., Order, Hull; **Refined**, 225 bbls., Balfour Williamson & Co., Hull; **Sardine**, 1,500 bbls., Cook & Swan Co., Kobe; 500 bbls., Cook & Swan Co., Kobe; **Sulfur Olive**, 800 bbls., Order, Patras; **Wood**, 292 cks., M. M. Oliver Produce Co., Hankow; 120 bbls., Mitsui & Co., Hankow; 145 bbls., Internati. Acceptance Bk., Hankow; 600 cks., Mitsubishi Shoji Kaisha, Hankow; 150 cks., Banque Belge Pour l'Etranger, Hankow; 300 bbls., Order, Hankow.

**OILS, ESSENTIAL**—6 cks., Polaks Frutal Wks., Rotterdam; 2 cks., Dodge & Olcott Co., Bremen; 100 cks., Nat. City Bk., Marseilles; 2 cks., G. Lueders & Co., Marseilles; 10 drs., L. R. Dreyer, Grasse; 3 cks., Order, Grasse; 6 cks., G. W. Sheldon & Co., Grasse; 2 cks., Morana, Inc., Havre; 1 cck., Bk. of N. Y. & Trust Co., Havre; 4 cks., Orbis Products Trdg. Co., Havre; 4 cks., Order, Havre; 147 bbls., Order, Liverpool; 300 cks., Order, Catania; **Aniseed**, 6 drs., Amer. Exch. Nat. Bk., Hongkong; 33 drs., Dodge & Olcott Co., Hongkong; 25 drs., Brown Bros. & Co., Hongkong; **Camphor**, White, 24 cks., D. L. Moss & Co., Shanghai; **Cassia**, 8 drs., Standard Bk. of So. Africa, Hongkong; **Celery**, 2 cks., C. B. Richard & Co., London; **Cinnamon**, 5 drs., Amer. Exch. Nat. Bk., Colombo; 1 drum, Order, Colombo; **Citronella**, 14 drs., Bank of Amer., Colombo; **Fusel**, 13 drs., Order, Dunkirk; 7 bbls., Order, Alexandria; 60 cks., Order, Libau; 1 drum, Amer. Exch. Co., Sourabaya; 8 drs., Amer. Exch. Co., Cheribon; **Orange**, 10 cks., H. Triest & Co., Kingston; **Sweet**, 60 cks., North & Co., Kingston; **Palma Rosa**, 4 pots, Volkart Bros., Bombay; **Sandalwood**, 9 cks., Magnus Matee & Reynard, London.

**OXIDE**—**Red**, 70 cks., J. L. Smith & Co., Hull.

**PEROXIDE**—100 cks., E. Peck & Co., Buenos Aires.

**PHOSPHATE**—1,300 bgs., Hollinghurst Co., Hamburg.

**PIASSAVA**—70 bls., Eaton Schleich & Woll, Antwerp.

**POTASSIUM SALTS**—**Chlorate**, 3,000 bbls., Irving Bk., Hamburg; **Muriate**, 500 bgs., Potash Impg. Corp. of Amer., Hamburg; **Sulfate**, 26 bbls., Potash Impg. Corp. of Amer., Bremen; 167 bgs., Societe Comm. Des Potasses d'Alsace, Antwerp.

**QUICKSILVER**—200 flasks, Order, Rotterdam; 100 flasks, Poillon & Poirier, Vera Cruz.

**QUINCIDINE**—10 cks., Order, London.

**ROOTS**—**Arrow**, 174 bbls., J. Morningstar & Co., St. Vincent; **Broom**, 150 bbls., F. L. Smith & Son, Vera Cruz; **Dandelion**, 33 bbls., McLaughlin Gormley & King, London; **Bur-**

**dock**, 20 bls., Banque Belge Pour l'Etranger, Antwerp; **Canagrist**, 138 bgs., Order, Vera Cruz; **Gentian**, 78 bgs., Order, Berdeaux; **Jalap**, 21 bgs., H. Triest & Co., Vera Cruz; **Licorice**, 20 bls., Allaire Woodward & Co., Berdeaux; **Sarsaparilla**, 80 bgs., D. L. Breitfelder & Bros., Tampico.

**SAL AMMONIAC**—45 cks., A. Klipstein & Co., Hamburg.

**SEED**—Anise, 5 drs., Magnus Mabee & Reynard, Hongkong; **Caraway**, 52 bgs., A. Stalman Co., London; **Cardamom**, 21 cks., Amer. Exch. Nat. Bk., Colombo; 38 cks., Brown Bros. & Co., Colombo; **Castor**, 0.147 bgs., Baker Castor Oil Co., Dairen; 4,074 bgs., Order, Bombay; **Celery**, 150 bgs., Arnaud Gaidan Co., Bordeaux; **Coriander**, 50 bgs., Order, Marseilles; **Fennel**, 5 bgs., Order, Marseilles; **Flax**, 8,565 tons, Order, Buenos Aires; **Hemp**, 701 bgs., Brown Edward Co., Dairen; 351 bgs., Herbst Bros., Dairen; 701 bgs., I. L. Radwaner Seed Co., Dairen; 658 bgs., Albert Dickinson Co., Dairen; **Mustard**, 498 bgs., I. R. Boddy & Co., Tientsin; 760 sks., China Hide & Produce Co., Tientsin; 145 bgs., Order, Hamburg; 200 bgs., Order, London; 445 bgs., R. F. Downing & Co., London; **Quince**, 24 bgs., A. & M. Karagheusian, Bombay; **Sesame**, 600 bgs., Order, Shanghai; 700 bgs., Bradford & Co., Hankow; 100 cks., Petroleum Export & Marine Corp., Marseilles; 1,366 bgs., I. R. Boddy & Co., Dairen.

**SELLAC**—200 bgs., J. C. Galstann, Calcutta; 200 bgs., Arbitrhnot Latham & Co., Calcutta; 350 bgs., Order, Calcutta; 4,708 bgs., Order, Calcutta; **Button Lac**, 50 cks., Order, Calcutta; **Garnet**, 650 bgs., Order, Calcutta; **Seedlac**, 354 bgs., Order, Calcutta; **Sticklac**, 50 bxs., Order, Havre; 30 bgs., Order, Calcutta.

**SOAP**—650 bxs., C. L. Huisking, Genoa; 950 bxs., Trading Co., Genoa; 350 bxs., J. D. Nordlinger, Genoa; 300 cks., Order, Piraeus; 40 drs., Innis Speiden & Co., London.

**SODIUM SALTS**—**Caustic**, 2 cks., F. Henjes, Jr., Bremen; **Chlorate**, 200 drs., C. Hardy, Havre; **Hyposulphite**, 100 cks., Order, Hamburg; 27 cks., Order, Marseilles; **Nitrate**, 4,030 bgs., A. Gibbs Co., Iquique; **Persulfate**, 20 cks., J. Turner & Co., Liverpool; **Phosphate**, 4 cks., W. E. Miller, Hamburg;

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PRIME CRYSTALS—HIGH YIELD  
Minimum 99% Sodium Ferrocyanide

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Oxalic Acid

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**Prussiate**, 22 cks., C. Tennant & Sons, Liverpool; 22 cks., Order, Liverpool; 9 cks., Order, Liverpool  
**SPERMACETI**—29 bbls., Order, Punta Arenas  
**SUMAC**—12 bgs., S. F. Zaloom & Co., Alexandria  
**TALC**—2,500 bgs., Ital. Disc. & Trust Co., Genoa; 200 bgs., L. A. Salomon & Bro., Genoa; 300 bgs., Ital. Disc. & Trust Co., Genoa  
**TAPIOCA-Flour**, 505 bgs., Order, Sourabaya; 633 bgs., Nat. Bk. of Commerce, Batavia  
**TARTAR**—105 bgs., Royal Bkg. Powder Co., Marseilles; 200 bgs., C. Pfizer & Co., Bordeaux  
**TEA WASTE**—83 bgs., Citro Chem. Co., Colombo  
**UMBER**—34 cks., L. H. Butcher & Co., Hull  
**VALONIA**—2,027 bgs., A. Benodava, Smyrna; 3,307 bgs., Order, Smyrna  
**VANILLA BEANS**—22 cks., R. F. Downing & Co., Havre; 95 cks., Thurston & Bradich, Marseilles; 40 cks., Dodge & Olcott Co., Marseilles; 2 cks., H. Triest & Co., Vera Cruz; 24 cks., Brown Bros. & Co., Samarang; 5 cks., H. E. Voegeli, Samarang  
**VERMILION**—1 ck., A. Klipstein & Co., London  
**WAX-Bees**, 5 bgs., Curacao Trdg. Co., Santo Domingo City; 4 seroons, Cordillera Comm. Co., Puerto Plata; 25 bgs., Order, Havana; 148 pgs., Order, Liverpool; 62 bgs., Royal Bk. of Canada, Santiago de Cuba; **Berry**, 11 bgs., Order, Cape Town; **Vegetable**, 200 cks., Nat. City Bk., Kobe  
**WHITING**—3,210 bgs., Taintor Trdg. Co., Dunkirk  
**ZINC-Oxide**, 100 cks., Reichard Coulston, Inc., Marseilles; 1 ck., Yardley & Co., London

## IMPORTS AT BALTIMORE

March 15 to 22

**CASSIA**—406 packages, McCormick & Co., Billederdijk, Rotterdam  
**CHROME ORE**—2,550 tons, F. H. Shallus Co., Evelpits, Bougie  
**CLAY**—70 casks, Roessler & Hasslacher Chem. Co., New York, Billederdijk, Rotterdam

**dam; Burnt**, 420 sacks, Baltimore and Ohio Railroad, Barbadian, Liverpool  
**COCOA POWDER**—35 cases, Furness, Withy & Co., Ltd., Billederdijk, Rotterdam  
**MANGANESE ORE**—500 tons, United States Steel Products Co., Suverec, Colombo; 1,000 tons, Ellerman & Bucknell Steamship Co., Suverec, Calcutta; 670 tons, W. R. Grace & Co., New York, Cissy, Coquimbo  
**MOLASSES**—1,300,000 gals., Cuba Distilling Co., Carrabulle, Cienfuegos  
**NUTMEGS**—81 bags, 36 bags, 36 bags, 1 case, 35 bags, 90 bags, all to Order, Billederdijk, Rotterdam  
**PAINTS-Enamel**, 19 cases, Furness, Withy & Co., Ltd., Billederdijk, Rotterdam  
**PEPPER**—15 bags, McCormick & Co., Barbadian, Liverpool  
**SODA-Nitrate**, 39,996 bags, W. R. Grace & Co., New York, Cissy, Iquique; 38,760 bags, 2,829.77 tons, J. H. Cottman & Co., Cissy, Iquique  
**SEED-Caraway**, 100 bags, W. H. Masson, Billederdijk, Rotterdam; **Mustard**, 100 bags, McCormick & Co., Billederdijk, Rotterdam; **Rape**, 50 bags, F. H. Shallus Co., Billederdijk, Rotterdam; 50 bags, W. H. Masson, Billederdijk, Rotterdam  
**STARCH-Potato**, 250 bags, Baltimore and Ohio Railroad, Billederdijk, Rotterdam

## IMPORTS AT NEW ORLEANS

March 15 to 22

**BAUXITE**—2,722 tons, Republic Mining & Mfg. Co., Georgetown, B. G.; 2,736 tons, Republic Mining & Mfg. Co., Georgetown, B. G.  
**GUM ARABIC**—2 bags, Trieste  
**LINSEED**—13,425 sacks, Sartos; 10,249 bushels, Argentina  
**MOLASSES**—60,000 gallons, Cuba; 600,000 gallons, Santiago; 840,000 gallons, British Isles Co., Santiago  
**MURIATE OF POTASH**—9,700 bags, Hamburg  
**OLIPANO INCENSE**—3 cases, Trieste  
**PARSLEY SEEDS**—3,000 lbs., Trieste  
**SPONGES**—137 bales, Havana

## IMPORTS AT PHILADELPHIA

From March 12 to 19

**ACID-Ferric**, 182 pelicans, 195 bxs., R. W. Greeff & Co., Rotterdam; 48 carboys, Order, Hamburg; **Oxalic**, 50 drums, Roessler & Hasslacher Chem. Co., Christiania  
**ARSENIC**—32 cks., 100 cks., Order, Hamburg  
**BARYTES**—53,200 kilos, Fourth Nat. Bank, Rotterdam  
**BLEACHING POWDER**—75 cks., Zeilner Bros., Liverpool  
**COD LIVER OIL**—10 bbls., Smith, Kline & French Co., Christiania  
**CHEMICALS**—84 bbls., Order, Hamburg  
**CHEMICAL SULFITE**—600 bbls., Order, Hamburg  
**CREAM TARTAR**—30 cks., Brown Bros., Marseilles  
**CUTCH**—500 bxs., Order, Rangoon  
**EPSOM SALT**—250 bgs., Koons, Wilson & Co., Bremen  
**FERRO-MANGANESE**—30 tons, Crocher Bros.  
**GLAUBER SALT**—200 bgs., Mechanics and Metals Nat. Bank, Hamburg; 262 cks., Ellis Jackson & Co., Hamburg; 691 bgs., Order, Hamburg  
**GLYCERIN**—Soap Lye, 200 drums, Order, Rotterdam; 167 cks., Jas. W. Eluell, Marseilles; 261 cks., Order, Marseilles  
**MAGNESITE**—50 bbls., Innis, Speiden & Co., Hamburg  
**MANURE SALT**—20%, 90,723 kilos, Potash Imp. Co., Hamburg  
**OIL-Palm**, 166 cks., African Eastern Trading Co., Hamburg; 8 bbls., Fourth St. Nat. Bk., Liverpool; **Palm Kernel**, 140 bbls., Order, Liverpool; **Olive**, 30 cks., Grubman Bros., Marseilles; 25 bbls., Order, Marseilles; 25 cks., Order, Nice  
**POTASSIUM-Hydroxide**, 50 cases, Powers-Weightman-Rosengarten Co., Gothenberg; 78 drums, Order, Hamburg; **Chloride**, 1,000 bgs., Potash Imp. Co., Hamburg; 135,088 kilos, Potash Imp. Co., Hamburg; **Prussiate**, 24 cks., C. Tenant Sons & Co., Liverpool  
**SAL AMMONIAC**—22 cks., Corn Exchange Nat. Bank, Rotterdam; 46 cks., Koons, Wilson & Co., Hamburg  
**SELLAC**—350 bgs., Order, Calcutta  
**SODIUM-Hydroxide**, 50 cases, Powers-Weightman-Rosengarten Co., Gothenberg;

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BOPP &amp; WHITTAM

ELIZABETH, N. J.

[MARCH 26, 1924]

Nitrate, 92 cks., E. I. du Pont de Nemours & Co., Christiania; 18 cks., Innis Speiden & Co., 256 bgs., Gill Glass Co., 513 bgs., Harshaw Fuller & Goodwin Co.; 100 cks., Order, Hamburg; Phosphate, 26 bbls., Order, Hamburg

TAPIOCA—376 bgs., Order, Penang

**IMPORTS AT SEATTLE**

From March 10 to 17

ACID—Cresylic, 30 drums, Order, Glasgow

COPPER SULFATE—32 bbls., Order, Hamburg

FERRO-MANGANESE—185 tons, Order, Liverpool

FERTILIZER—Nitrogen, 218 bags, Order, Hamburg

GLUE—26 cks., Order, Liverpool

OILS—Peanut, 8 ccs., Order, Hongkong; Wood, 53 drs., Order, Shanghai; 300 drs., Order, Shanghai

SEEDS—Sesame, 110 bgs., Order, Shanghai

SPICES—Cassia Saigon, 600 ccs., Order, Hongkong

**IMPORTS AT SAN FRANCISCO**

March 8 to 15

ACID—Cresylic, 30 drums, Order, Liverpool

AGAR AGAR—5 bales, W. R. Grace & Co., Kobe; 5 bales, Willitts & Co., Kobe

ANTIMONY—Regulus, 250 cases, Great Western Refining & Smelting Co., Shanghai

CHEMICALS—300 bags, Order, Hamburg; 155 drums, E. H. Otto & Co., Hamburg; 58 drums, Order, Liverpool

ISINGLASS—10 bales, Order, Kobe

KAPOC—35 bales, Anglo & London Paris National Bank, Manila

LINSEED CAKE—1,875 bags, Order, Kobe

SOYA BEAN CAKE—2,000 bags, Order, Dairen

FELSPAR—504 bags, Order, Liverpool

OIL—Soya bean, 175 bbls., Order, Dairen; Rape, 5 drums, Order, Liverpool; Wood, 100 drums, Hongkong

SODA ASH—1,000 bags, Meyer Wilson & Co., Liverpool

**MONTRÉAL ACID IMPORTS INCREASE**

Total of Sulfuric 7,974 Lbs. in December, 1923 Compared With 974 Lbs. in 1922

(Special to DRUG & CHEMICAL MARKETS)

Montreal, March 26.—The imports of boracic acid for December last amounted to 30,944 lbs., and for the same month in 1922, 7,567 lbs. For the nine months ending December, 1923, the figure was 414,460 lbs., against 391,770 lbs. for the same period of 1922 and 389,404 for 1921. Imports of hydrofluosilicic acid for December, 1923 amounted to 6,186 lbs., compared with 116 in December, 1922. In the nine months ending December, the total was 7,729 lbs., compared with 2,095 lbs. in that period of 1921.

Imports of muriatic acid in December were 17,736 lbs., compared with 840 lbs. in December, 1922. In the nine months period ending December, 1923, the imports were 61,305 lbs., against 146,937 in the same period in 1922, and 46,242 lbs. in 1921.

In nitric acid, the imports for December last were 16,361 lbs., against 1,644 lbs. in December, 1922. For the nine months ending December, 1923, the total was 116,701, against 49,601 in the same period in 1922, and 53,648 lbs. in 1921.

Imports of sulfuric acid through the port of Montreal amounted to 7,974 lbs. in December 1923, and 974 lbs. in December, 1922. For the nine months ending December the imports amounted to 564,058 lbs., and for the same period in 1921, 148,523 lbs.

Other acids imported through this port in December amounted to 32,374 lbs., and in December, 1922, to 198,397 lbs. For the nine months ending December, 1923, the total was 679,876 lbs., and for the same period of 1922, 932,185 lbs. and for 1921, 557,539 lbs.

The total value of chemicals imported at Montreal in December, 1923, was from the United Kingdom, \$295,052; from the United States, \$1,222,724; against, December, 1922, from United Kingdom, \$209,551, and from United States, \$1,394,872. For the nine months ending December, the figures are:

From United Kingdom	From U. S.
1921	\$2,362,301
1922	\$2,890,613
1923	\$3,345,138

\$13,510,386

\$13,596,759

\$13,922,698

From other countries, the figures are, December 1923, \$259,592; December 1922, \$437,975; nine months ending December 1923, \$2,510,242; same period 1922, \$2,913,250; \$2,469,216. The total value of chemical imports into Montreal, in December, 1923, was \$1,777,368; 1922, \$2,042,398; nine months ending December, 1923, \$19,778,078, same period 1922, \$19,400,622, and 1921, \$18,341,903.

Production of ammonium sulfate fertilizer at the Ford Motor Co.'s River Rouge plant now average 54,000 pounds per day, equivalent to 20,000,000 pounds annually.

*Of Interest in the Trade*

Louis S. Reed, General Chemical Co., New York, is recovering at his home after an operation.

Gustav Martin, Boston, chemical distributor and dealer, is again at his desk after an illness of two months.

Clapp Laboratories Co., Danvers, Mass., was damaged by an explosion last week. Nobody was injured.

The \$250,000 new building for plant and offices of the Pitman-Moore Co., Indianapolis, is now under construction.

Professor Fisher, of Yale, reports that the purchasing power of the dollar, last week, was 67 1-10 pre-war cents.

The Portage Brokerage Co., Akron, O., has been appointed the Ohio distributing agent for L. H. Butcher Co., New York, for palm and niger oils.

Secretary of War Weeks announces that the explosives stored at the arsenal at Raritan, N. J., will be moved to Ogden, Utah, if Congress will appropriate the funds.

Ernest Mercelis, formerly of Chipman Chemical Engineering Co., New York, and recently of General Chemical Co., sales department, died March 19, at his home in Brooklyn, following a short illness.

Savannah Chemical Co., Savannah, Ga., has been denied a writ of certiorari by the United States Supreme Court to the Circuit Court of Appeals for the Fifth District, in a suit against W. R. Grace & Co., New York.

Salamanca Mirror Co., a subsidiary of Pittsburgh Plate Glass Co., has been purchased by a group of furniture manufacturers. The plant at Salamanca, N. Y., will be conducted by them as the Salamanca Mirror Works, Inc.

Dr. William Dreyfus, chief chemist, West Disinfecting Co., New York, is on a six months vacation in Europe. The trip, which includes his birthplace in Switzerland, commemorates a quarter century of service with West.

Herbert W. Rice, president, United States Gutta Percha Paint Co., Providence, R. I., has given a fellowship in chemistry to Brown University worth about \$700 per year. It will go to the graduate student most worthy under the direction of Dr. Charles A. Krause.

Pressure is being brought to bear upon President Coolidge to expedite the disposition of cases involving changes in the duty on chemicals now pending before the Tariff Commission without awaiting the decision of the District Supreme Court in the matter of the petition for an increase in the rate on sodium nitrite.

## WOULD LIMIT INQUIRY INTO OIL COSTS

(Special to DRUG &amp; CHEMICAL MARKETS)

Washington, D. C., March 26.—The Tariff Commission's preliminary hearing in the vegetable oils investigation closed last week. John B. Gordon, Washington representative of the Bureau of Raw Materials for the Vegetable Oils & Fats Industries, the applicant for a reduction in the tariff duties, submitted that in investigating foreign costs of production, the Commission's investigation with respect to peanut oil should be confined to China; on coconut oil to Ceylon, the Malabar coast of India and Java; on soya bean oil to Manchuria; on cottonseed oil, to China; on whale oil to the antarctic region; and on tallow, to Argentina, New Zealand and Australia. Mr. Gordon also suggested that no investigation of the cost of production of oleo oil is necessary because importations into the United States are negligible. As menhaden oil is produced only in this country, he said, the cost inquiry must of necessity be confined to domestic production.

Commissioner Glassie requested Mr. Gordon to furnish the Commission with statistics of soap exports before, during and since the war. About 60 per cent. of the domestic production of soap is represented in the Bureau of Raw Materials, Mr. Gordon said, but the Chicago meat packing houses are not members of the organization.

W. A. Larner, president of Southern Menhaden Oil Corp., and representing the American Fish Oil Association, read a telegram from the Pacific Cured Fish Association urging opposition to a reduction in the duties on either vegetable or fish oils. Questioned by Mr. Gordon, Mr. Larner stated that the Southern Menhaden Oil Corp. is owned by the du Pont interests.

## EXPECT FEW BOLL WEEVILS IN 1924

Few weevils seem to be the indication for the 1924 cotton season, according to a report by Dr. B. R. Coad, in charge of the U. S. Bureau of Entomology depot at Tallulah, La. This may mean a reduced consumption of calcium arsenate. Examination of 4,000 pounds of Spanish moss as a rough basis for probable comparative emergence from hibernation, as against nine previous years, shows a small number of live weevils found this year. Dr. Coad recommends no let-up in the fight against the insect, however, as the report states enough will probably emerge to do serious crop damage if the weather is normal. The following represents the spring weevil count for ten years:

Year	Live Weevils per ton of moss	Dead Weevils per ton of moss
1915	10.0	414.0
1916	24.0	136.0
1917	8.0	144.0
1918	1.7	48.9
1919	4.0	53.0
1920	9.5	15.8
1921	22.0	26.0
1922	127.0	2.2
1923	19.0	42.0
1924	0.5	63.4

Imports of pigments, paints and varnishes in 1923 were 10 per cent under those of 1922 and were but one-fifth of the exports for 1923. Mineral earth pigments which formed approximately one-half the total of the incoming shipments fell from a total valuation of \$2,090,211 in 1922 to \$1,338,642 in 1923. Zinc pigments, to the value of \$948,018 (22,690,529 pounds) were received in 1923.

BRITISH IMPORTS OF CHEMICALS SHOW  
LARGE INCREASE OVER PREVIOUS YEARS

Nitrate of Soda Imports in 1923 Were 58 Per Cent Greater Than in 1922—Quinine Salts Increased from 865,554 Ounces to 1,321,597 Ounces in 1923—British Exports of Ammonium Sulfate Almost Doubled

British imports of chemical manufactures and products in 1923 were, on the whole, larger in bulk than in 1922, according to a report from the American Consulate General, London.

Nitrate of soda rose to 1,452,578 hundredweight, an increase of 535,210 hundredweight, or 58 per cent, the value advancing to substantially the same extent. Of lead compounds, nickel oxide totaled 45,701 hundredweight, compared with 3,407 hundredweight in the preceding year, a rise of 1,241 per cent, while the average import price fell to £4 9s., against £5 4s., per hundredweight. Calcium carbide increased to 716,914 hundredweight, contrasted with 549,727 hundredweight, or by 30 per cent, the price falling by 8d. to 13s. 7d. per hundredweight. Borax advanced in quantity and in value by approximately 50 per cent, and totaled 63,887 hundredweight; and imports of acetic acid were 2,200 tons higher at 7,106 tons, the price thereof increasing to nearly £44, contrasted with £35 14s. per ton in 1922.

In the drugs and medicines section, quinine and quinine salts were in larger supply at 1,321,597 ounces against 865,554 ounces, and cinchona bark advanced to 10,007 compared with 6,069 hundredweight; the average price of the former declined by about 4d. per ounce to 2s. 1d., and the latter from just under £6 to £5 6s. 7d. per hundredweight.

Intermediate coal-tar products used in the manufacture of dyes, after falling to 41 hundredweight in 1922, increased last year to 1,349 hundredweight at a cost of £12 12s. 2d. per unit. Of finished dyestuffs (from coal tar), more synthetic indigo was received (8,274 hundredweight against 5,114 hundredweight), but less alizarin (8,409 hundredweight compared with 11,387 hundredweight) and "other sorts" (39,474 hundredweight against 41,090 hundredweight). Both alizarin and synthetic indigo were considerably higher (the value of the former being £72,761 contrasted with £60,607, and of the latter £13,243 against £3,008), but "other sorts" were markedly lower in average price, their value aggregating £917,721 contrasted with £1,262,559.

Natural indigo fell to 757 hundredweight from 1,305 hundredweight, the value decreasing correspondingly; and while there was a small increase in receipts of cutch, other extracts for dyeing were in lesser supply. Extracts for tanning (solid and liquid) expanded to 1,183,404 hundredweight (from 933,936 hundredweight), the average price being somewhat lower.

Among exports of chemical products recording the heaviest increases in 1923 compared with 1922 were ammonium sulfate, which aggregated 253,287 tons against 144,317, and rose in value to £4,045,941 from £2,381,459; tar oil creosote, which totaled 47,780,495 gallons contrasted with 25,647,144, the value advancing to £1,776,276 against £701,564; benzol and toluol of which 2,308,864 gallons (£159,235) were shipped against 64,679 gallons (£10,078) glycerine (crude and distilled), which aggregated 160,257 hundredweight, valued at £524,084, compared with 81,420 hundredweight worth £326,753; and coal-tar dyes and dyestuffs, of which 126,187 hundredweight were exported against 47,317 hundredweight, while the value rose to £1,031,903 compared with £612,966.

# Wants & Offers

## BUSINESS OPPORTUNITIES

**NAVAL STORES**—Established New England distributor of industrial chemicals, representing well known manufacturers wants to add strong rosin and turpentine account to their list. We have a well organized, successful sales staff, warehouse facilities, and twenty years close contact in mills and consuming industries. Box 660, DRUG & CHEMICAL MARKETS.

### SOLE AGENT

**WANTED**—By competent German manufacturer for distributing his incomparable Fly-Catcher. Must be well acquainted with Whole-salers, Jobbers and Retailers of this line. References. Address L. G. 503 Ala-Haasenstein & Vogler, Leipzig, Germany.

**FOR SALE**—Plant of 12,000 square feet, on acre of ground, own siding, modern brick and concrete building, good water supply, 25 miles from Philadelphia, cheap, terms to responsible party. Box 662, DRUG & CHEMICAL MARKETS.

**SALES AGENT** in Metropolitan territory is in a position to render efficient service in the industrial field to manufacturers of heavy chemicals or specialties for the laundry, textile or leather trades. We have an experienced sales force backed up with office cooperation and carry spot stocks with motor trucking service. Box 657, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Half interest in a successful toilet preparation. Profits have averaged 40% for the last four years and sales have doubled every year. Have established distribution through department stores in six States. Desire to extend business beyond present financial capacity and will consider a proposition from a man of standing. Will bear the strictest investigation both as to our financial standing and the good merit of our preparations. Box 651, DRUG & CHEMICAL MARKETS.

**A WHOLESALE DRUG HOUSE** in northern New York holding B. Permit seeks exclusive representation with Alcohol manufacturers, for non-beverage Ethyl Alcohol and completely denatured Alcohol. Box 649, DRUG & CHEMICAL MARKETS.

**PERFUMER**—New organization with number of desirable products desires connection with capital or credit in essential oil trade. Have good business in finished products, but want to expand. Box 646, DRUG & CHEMICAL MARKETS.

## BUSINESS OPPORTUNITIES

**ADVERTISING**—If you desire to have your Want Ad read by people in the trade, try this page. While the average newspaper is about one or two per cent effective as far as chemical wants are concerned, this page is read 100% by makers, sellers, and buyers of chemicals, drugs, and allied products. Five cents per word—one dollar minimum.

**PHARMACEUTICALS, PROPRIETARY MEDICINES, TOILET ARTICLE MANUFACTURERS**—Advantageous opportunity opening new outlets. Men fully knowing trade leaving soon round Latin America representing two houses. Seeks two more accounts. Moderate traveling expense share. Box 663, DRUG & CHEMICAL MARKETS.

## SITUATIONS WANTED

**CHEMIST** with 15 years experience in alkalies and particularly well qualified for work in the textile and paper fields desires to make a change. A careful and conscientious laboratory worker with plant production experience, honest and energetic. Has also successfully had charge of technical operations on a large scale. Box 656, DRUG & CHEMICAL MARKETS.

**A MAN** who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

**EXECUTIVE** with thorough technical training and wide experience in fine chemical and pharmaceutical industries seeks a position where strong and pleasing personality, integrity, reliability, hard work and exceptional executive ability will be given an opportunity to demonstrate value and worth. Box 640, DRUG & CHEMICAL MARKETS.

**SALES EXECUTIVE**—Advertiser is thoroughly familiar with drug and chemical sales and has enviable record made as sales manager. He is also experienced in both import and export work. He is at present engaged; but desires to make a change to an opening offering great possibilities for development and financial advancement. Box 648, DRUG & CHEMICAL MARKETS.

**SALESMAN**—Fine chemical salesman with experience and successful record as a producer of results seeks position with manufacturer. Box 659, DRUG & CHEMICAL MARKETS.

**Rate**—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

**Payment**—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"  
DRUG & CHEMICAL MARKETS  
3 Park Place, New York.

## SITUATIONS WANTED

**HEAVY CHEMICALS**, Tar products. Young German with wide practical trade experience, closely familiar with home industries and foreign markets, English, French and Spanish correspondence, at present with important Hamburg firm desires respective situation in U. S. A. Box 666, DRUG & CHEMICAL MARKETS.

**WANTED**—Firms desirous of marketing their lines in Canada to write us. We manufacture, pack and ship to order. Box 668, DRUG & CHEMICAL MARKETS.

**DRUG & CHEMICAL BUYER**—Nine years with wholesale drug and resident buying houses desires responsible connection. Valuable to wholesaler, consumer or reputable broker. Box 672, DRUG & CHEMICAL MARKETS.

**FINE CHEMICALS**—Reliable man accustomed to assuming responsibility and thoroughly trained as a pharmaceutical chemist with practical business experience as a purchasing agent and office executive seeks a new position where ability and hard work will be rewarded. Box 670, DRUG & CHEMICAL MARKETS.

**PHARMACIST**, registered, recently calling on retailers; several years experience in chemical sales field, telephone and correspondence man wants position same or pharmaceutical line, inside or outside. Box 677, DRUG & CHEMICAL MARKETS.

**SALES MANAGER**—Over 20 years experience in industrial and medicinal chemical sales with leading manufacturers. Open for new connection April 1, G. B. 67. DRUG & CHEMICAL MARKETS.

## HELP WANTED

**EXPERIENCED DRUG CLERKS** to demonstrate Todd's Tonic in drug stores. Write Box 671, DRUG & CHEMICAL MARKETS.

**COMPETENT MEN** take charge manufacturing of fine French perfumes in New Orleans. Right party will be given an interest in business. Box 666, DRUG & CHEMICAL MARKETS.

**WANTED** man experienced in handling imported chemicals. Must know consumers. Excellent connections abroad. Salary and Commission. Share of business later if desired. Box 667, DRUG & CHEMICAL MARKETS.

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Full information on request

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OLD HICKORY TENNESSEE**  
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## HELP WANTED

**SALESMAN**—Established essential oil house desires salesman to represent them in extensive territory with headquarters thousand miles from New York; considerable traveling required; single man with experience in line preferred; liberal compensation; could be handled in connection with related account. Box 664, DRUG & CHEMICAL MARKETS.

**DYESTUFF SALESMAN**—Dealer wants aggressive, experienced salesman for Southern territory. Drawing account based on results. Box 660, DRUG & CHEMICAL MARKETS.

WE HAVE a real investment for the man that can manage our laboratories. Investigate. Box 653, DRUG & CHEMICAL MARKETS.

**CHEMIST** acquainted with ink, shoe polish and household non-alcoholic extracts desired for consulting work. Box 654, DRUG & CHEMICAL MARKETS.

**AN ESTABLISHED PHARMACEUTICAL HOUSE** has a clerical opening in the sales department for a man experienced in these products who is capable of handling correspondence with salesmen and customers. Position offers an opportunity for the right man to develop into a responsible, executive position in a large and efficient organization. Box 655, DRUG & CHEMICAL MARKETS.

## HELP WANTED

**LEATHER CHEMIST**, established tannery, planning extension, requires the services of an experienced leather chemist capable of not only taking full charge of the laboratory; but with sufficient executive ability and personality to supervise plant operations. Position will be available May 1st—location, New England. Please write fully on training and experience. Box 658, DRUG & CHEMICAL MARKETS.

## DRUGS AND CHEMICALS

7,000 lbs. finest U.S.P. Sulphur Lotum, 1 lb. cartons—100 in box. Will sell to highest bidder. Take all or part. Box 645, DRUG & CHEMICAL MARKETS.

**NON-INFLAMMABLE Anhydrous Ethyl Chloride** now offered in any quantity by Heddley & Co., (Leytonstone) Ltd., 120-2 Harrow Road, London, E. 11, England.

**WILL PURCHASE** regularly cheap recovered Acetic Acid. State quantity regularly available, strength and price. Box 643, DRUG & CHEMICAL MARKETS.

**CALCIUM ARSENATE**—Government specification. Supplies available for prompt shipment. Inquire Crown Chemical Company, Ltd., London House, London, England.

## DRUGS AND CHEMICALS

**LEECHES FOR SALE**—Best imported medicinal leeches, \$1.00 per dozen, 50 for \$3.80, 100 at \$7.00. Postage paid. Check with order. David Neuberger, 112 Forsyth Street, New York.

## PLANT EQUIPMENT

**MICROSCOPE WANTED**—Give lowest price and describe model make, lenses and attachments. Also want spectroscope. Box 673, DRUG & CHEMICAL MARKETS.

**TANK CARS** for rent, 6800 to 7200 gals., 50 ton capacity. Receivers Butterworth-Judson Corp., Newark, N. J.

**WANTED**—A jacketed still capable of withstanding 150 pounds steam pressure. Capacity 700 or 800 gallons. Cleanout opening in bottom; and man-hole in top. Box 662, DRUG & CHEMICAL MARKETS.

## MISCELLANEOUS

**ASK THE** Bureau of Employment of the Chemists Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

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For full particulars as to products and addresses see Index of Advertisers on the page following.

## HEAVY CHEMICALS

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American-British Chem. Supplies  
J. T. Baker Chemical Co.  
Battelle & Renwick  
C. W. Campbell Co.  
Carus Chem. Co.  
Chilean Nitrate Committee  
Church & Dwight  
The Cleveland-Cliffs Iron Co.  
Chas. Cooper & Co.  
Diamond Alkali Co.  
The Dow Chemical Co.  
E. I. du Pont de Nemours & Co.  
Ellis Jackson & Co.  
B. G. Feinberg  
General Chemical Co.  
Grasselli Chemical Co.  
W. F. George Chemicals, Inc.  
Wm. S. Gray & Co.  
R. W. Greff & Co.  
Harshaw, Fuller & Goodwin Co  
Industrial Chemical Co.  
Innis, Speiden & Co.  
International Salt Co.

Jayne & Sidebottom, Inc.  
A. Klipstein & Co.  
Chas. Lennig & Co., Inc.  
Mathieson Alkali Works, Inc.  
Michigan Alkali Co.  
The Miner-Edgar Co.  
Monsanto Chemical Works  
Clarence Morgan & Co.  
The New Brunswick Chem Co  
Henry W. Peabody & Co.  
Norwell Chem. Corp.  
Pfaltz & Bauer  
A. P. Rippelbein  
Roessler & Hasslacher Chem.  
Rohm & Haas Co.  
Seaboard Chemical Co.  
E. M. Sergeant Co.  
Solvay Process Co.  
Sterling Borax Co.  
Eugene Suter & Co.  
Victor Chemical Works  
The Warner Chemical Co.  
Isaac Winkler & Bro. Co.  
Wishnick-Tumpeir Chemical Co

## FINE CHEMICALS

Abbott Laboratories  
The B. & W. Co.  
Baird & McGuire  
J. T. Baker Chemical Co.  
W. Berkent & Co.  
David Berg Industrial Alcohol Co.  
Carbide & Carbon Chem. Corp.  
Carus Chem. Co.  
Chemical Works "Naarden"  
Antoine Chiris Co.  
Commonwealth Chemical Corp.  
Charles Cooper & Co.  
Danco Sales Corp.  
J. E. Dockendorff & Co.  
The Dow Chemical Co.  
Eastman Kodak Co.  
Electro Bleaching Gas Co.  
B. G. Feinberg  
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Fritzsche Bros., Inc.  
William S. Gray & Co.  
Harshaw, Fuller & Goodwin Co.  
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Industrial Chemical Co.  
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Jayne & Sidebottom, Inc.  
A. Klipstein & Co.  
Magnus, Mabee & Reynard, Inc.  
Mallinckrodt Chemical Works  
Mathieson Alkali Wks., Inc.  
May & Baker  
Merck & Co.  
H. A. Metz & Co.  
The Miner-Edgar Co.  
Monsanto Chemical Works  
Clarence Morgan & Co.  
N. Y. Quinine & Chem. Works  
The Norwell Chemical Corp.  
Perth Amboy Chem. Wks.  
Pfaltz & Bauer  
Powers-Weightman-Rosengarten  
B. Preman Company  
Roessler & Hasslacher Chem. Co.  
Rhodia Chem. Co.  
Sterling Borax Co.  
Eugene Suter & Co.  
Geo. Uhe  
Ungerer & Co.  
U. S. Industrial Chemical Co.  
Victor Chemical Works  
Wishnick-Tumpeir Chemical Co.

## DYESTUFFS

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Calco Chemical Co.  
C. W. Campbell Co.  
John Campbell & Co.  
Central Dyestuff & Chem. Co.  
Dow Chemical Co.  
Dye Products & Chem. Co.  
Dyestuffs & Chemicals, Inc.  
E. I. du Pont de Nemours & Co.  
Ellis Jackson & Co.

A. Klipstein & Co.  
Grasselli Chemical Co.  
The Heller & Merz Co.  
H. A. Metz & Co.  
National Aniline & Chemical Co.  
The New Brunswick Chem. Co.  
Newport Chemical Works  
The White Tar Aniline Co.  
Wishnick-Tumpeir Chemical Co.

## COAL TAR PRODUCTS

Abbott Laboratories  
American-British Chem. Supplies  
Baird & McGuire  
The Barrett Co.  
Calco Chemical Co.  
John Campbell & Co.  
Dow Chemical Co.  
E. I. du Pont de Nemours & Co.  
Dye Products & Chem. Co.  
The Heller & Merz Co.  
Hydrocarbon Prods. Co.

Jordan Coal Tar Products Co.  
A. Klipstein & Co.  
H. A. Metz & Co.  
Monsanto Chemical Works  
National Aniline & Chemical Co.  
Newport Chemical Works  
The Norwell Chemical Corp.  
Weiss & Downs  
The White Tar Aniline Co.  
Wolff-Alport Chem. Corp.

## ESSENTIAL OILS

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Belgian Trading Co.  
W. J. Bush & Co.  
Antoine Chiris Co.  
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## CRUDE DRUGS

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## EQUIPMENT

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Walter A. Zelnicker Supply Co.

Coal Tar  
Products

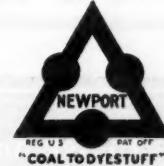
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Para Toluidine	Cleves Acid
Meta Phenylene Diamine	
Meta Toluylene Diamine	
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Sodium Naphthionate	
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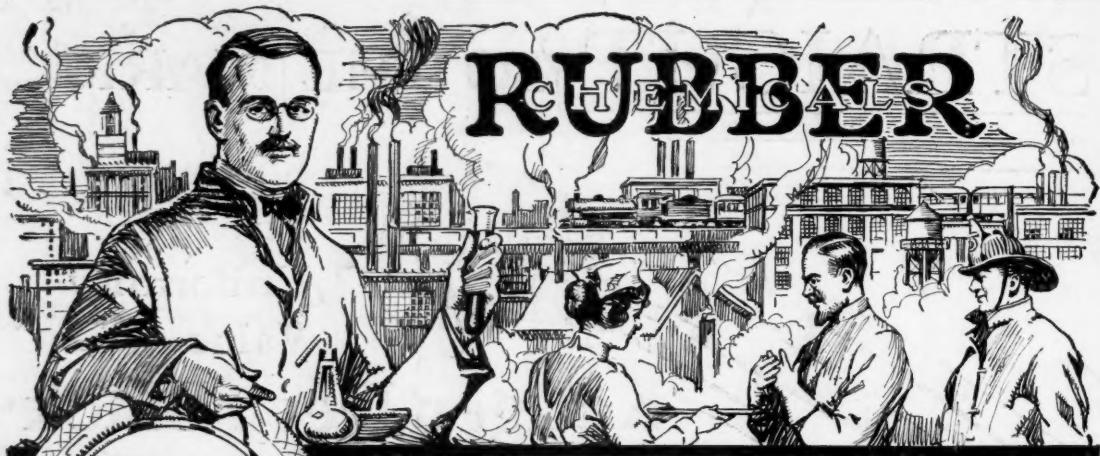
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